Table 4-2-2 <u>Plood Mitigations: Incremental Benefits</u> (\$ Million on Constant 1976 Price Level)

| | | Ĉrops | | | Non-cr |) ops | | Total | |
|------------------------|-------------------------------------|--------------------|---------------------|---|------------|---------------------------|---|---------------------|-----------|
| Project | | | the second second | | | | | | Cumulated |
| (1) With Irrigation | 2.44 | 53.7 | 2.44 | 9.95 | 63.9 | 9.95 | 12,39 | 61.6 | 12.39 |
| | | | | | | | | | |
| (2) With Irrigation | and D | abong | Dan | | | | | | |
| | 1 - 4 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 | V 3 . 3 A . | | | 집 강해합합 하하고 | | र, संस्थानिकारी अञ्चलके देवा दे व संस्थानिकारी | | |
| | 1.20 | 26.4 | 3.64 | 3.37 | 21,7 | 13,32 | 4.57 | 22.7 | 16.96 |
| (3) With Irrigation | , Dabo | ng Dan | , Lebi | r Dan. | and Ri | i ii. | | | i. A |
| Control of the Control | | | | r.e. | | ang disersi Hamiltonia | | | |
| | 0. 90 | 19.8 | 4.54 | 2.24 | 14,4 | 15.56 | 3.14 | 15.6 | 26.10 |
| | | | | 94 2004年 (19 34 0 <u>2</u> 342 | | | | | |
| | 3 | | | | | | | | |
| and exercise the t | | 8.81 | 2:35 | | | | | | |
| (2) + (3) : (4) | <u>2.10</u> | | | <u>5.61</u> | | | <u>7.71</u> | | |
| (1) / (4) | 1.16 | | | <u>1.77</u> | | | 1.61 | | |
| (2) / (4) | <u>0.57</u> | | | 0.60 | | | 0.59 | | |
| °(3)1/(4)°° | 0.43 | | \$1,01 | <u>0.40</u> | | | 0.41 | | |
| (2) / (1) | 0.49 | edî Aeleo Baran | | 0.34 | | | 0.37 | | |
| (3) / (1) | 0.36 | | | 0.23 | | | | | |
| | | | पुरुची है। - ×50 | \$ 13.8E | bal se | seratori Prograd | 0.25 | er de en e Grand | |
| | 31 57 54 6 | | - - 13(3) | elb ol | in a | | | | |
| ##1121/0404 a) | energiev Energiev | in the second | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Table 4-31: Present Main Power Stations Owned by NEB.

(Except Diesel Plant)

| 18181 .338 (J. 18 | | * * * * * * * * * * * * * * * * * * * | in talyii. | | (62) |
|--|--|---------------------------------------|-------------------------------|---------------------|--|
| ore; Name 🧳 | Classificati of Bydro | on . | Installed | Cápacit | y = (MH) |
| evel vivis | or Thermal | 1 17. | August 1977 | 1 1 2 8 1 No. 179 | Augûst 11978 |
| Jor e i | Hydro | 23. | Íðo | | 100 |
| New Johnson | | 77. | | | 2.017.15.17 |
| | | 1.7% | 150 | | 150 6.6. |
| lepengor | | 1 24 | 6.936 | 7 68 | 87 |
| 1801 .874 Yai | Steam x | 1.75 | 90 | | 90 |
| Tree Switch | Mary. | 2A2 | 40 | 2 0 | 40 |
| Esci Over Dickson; | 1 (2 x 2 x 2 x 2 x 2 x 2 x 2 x 2 x 2 x 2 | 75. | | | |
| 그는 사회의 학자들학 원리 기교의 근거 하는 인공회 | | | 600 | 2∤.\$ | 600 γ ≱, ∘ γ |
| onnaught Bridge | | 34. | 61, 801 | | ci #80 ₃₅₀ 17 |
| lalacca 18.6 | | £0, | ¹ 40 ⁷ | | 40 ³ |
| êşî deşî Lugor | Gas Turbl | | | | H SEALY THEY |
| 1781 .a.A. | Gas lurol | ne | · - 영화 : 무슨데 를 기록하는데 10일 : | | Ž 20 |
| | tal | .1.11 | 1,220 | 19 5 19 | |
| | 13 2 2 | | | * 0.4 1 G/7 | |
| 8581 | | | | \$763 €.66 | |
| TO ASSESSED | **. 48 X 1 | 18,8 | | 18.03 | |
| 2301 march 1983 | 9) A 1 0; z 1 | 70.3 | | 1. S | |
| 기계 등 1세 시간 (개설) 제 (1) 1세계 기계 (기업) (기업) (기업) | | 30. A | | | 79.1 |
| | | | | | |
| | | (183.3 | | | |
| | | | | | |
| 일 등 이 일 등 이 경험 등록 되었다. 일 등의 기업의 기업을 위한 기업 | | | | 191.9 3 | 시 기계 (1) (1) (1) (2) (2) (2) 기계 (1) (2) (2) (2) (2) |
| FREDERIC FRANKLI. BURNELL FRESE | | | | . २५ है। | 1000 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| | | 11 1944 Y | | - 43.9. | 81.4 |
| | | · Def | | . 7 7 (*) | 81.3 |
| | \$ 4-2 | -, - | | | 计特别语句 医二氯酚二氮 |
| | | 78.3 | | | |
| | | 78.2 | | | |
| | | | | | |
| | | 78 8 78 8 78 8 78 8 | | | |

Table 4 - 4 <u>NEB's Ceneration Expansion Plan</u> :

| Name of Project | Classification | Installed Capacity | Commissioning Date |
|------------------------------|----------------|----------------------------|-----------------------|
| Tenengor | Rydro | | |
| (hos.274 | | 3 x 85 " | Peb. 1979 |
| Gas turbine | Gas turbine | 4 x, 20 0 1 1 2 1 x 20 0 1 | Peb. 1979 Hay 1979 |
| Prai No.4 | Steam | 1 × 120 " | Aug. 1979 |
| No.5 | | 1 x 120 " | Feb. 1980 |
| No.6 | | 1 x 120 " | Aug. 1980 |
| Pasir Gudang No.1 | Stean | 1 x 120 " | Feb. 1981 |
| No.2 | | I x 120 " | Aug. 198 |
| | ,Hydro | 3 x 24 . " | Aug. 198 |
| Kenering | Hydró | 3 x 40 ." | Yeb. 198 |
| Trengganu Nos.1-2 Nos.3-4 | Hydro | 2 x 100 " 2 x 100 " | Peb. 198 |
| 05:3-4 | | 4 X 100 | Aug. 198 |
| Port Klang No.1; | Steam | 1 x 300 " | Kay 198 |
| No.2 No.3 | | 1 x 300 " 1 x 300 " | Feb. 198 |
| No.4 | | 1 x 300 " | Aug. 198 Kay 198 |
| | | | |
| Gas turbine No.1 | | 1 x 20 " | |
| No.2 No.3 | | 1 x 20 " 1 x 20 " | Nov. 197 Dec. 197 |
| No.4 | | 1 x 20 " | Jan. 197 |
| No.5 | | 1 x 20 " | April 197 |
| No.6 | | 1 x 70 | March 198 |

Table 6 - 1 Temperature (average of 24 hours)

| Month' > 14 | 1968 e i | 196981 | 1970041 | 1971 ? i | 1972 21 | Average: |
|--|---|--|--|--|--|--|
| 7. 13 | 26/6 | 26/3.8 | 2650 .1 | 25/3 . 3 | 25.11.8 | 25.9 |
| C2 .8 | 27.3.8 | 26,4.0 | 26/0.8 | 25:6 t | 26.3.0 | 26.3 |
| 6. 6 | 28.0 .0 | 27/2 .4 | 2751 .8 | 2612.1 | 26.6.8 | 27.2 |
| ₹4.8 | 2718.5 | 28,4.9 | 27.6 | 2718 31 | 2713.8 | 27.8 |
| C5 .5 | 2755 .9 | 28.8 | 28.5 € | 2756 | 2853.5 | 28.1 |
| 6.0 | 27:4 .3 | 27.7.5 | 27.17.8 | 32754.3 | 27.9.3 | 27.6 |
| 67.3 | 2752 3 | 27.33.5 | 27/1.0 | 2763.5 | 2719.2 | 27.4 |
| 7.83 | 26:9.1 | 27/1.8 | 1 27/1.0 | 2615 | 2751 . 8 | 26.9 |
| 19.3 | 26:6.1 | 2761.0 | 26/9.1 | 27/2.5 | 26/8.2 | 26.9 |
| 16.4 | 26,4 | 2658.5 | ₹ 2615, ₹ | 26:4: | 2770.3 | 26.61 |
| lî V | 26[8⋅€ | 2587.5 | 25/8.4 | 2512.3 | 2674.8 | 26.01 |
| 12,1 | 26/5·č | 25∑9 . | 2519.1 | 2556.7 | 2614.8 | 26.1 [|
| Makînûm | 3637.5 | 35 0 0 . 5 | 34/6.8 | 3492.0 | 34:6. | 3627 sv4 |
| Minimum | 18.6 | 19.5 | 20.4 | 19.7 | 18.3 | 18.3 |
| Average | 27.1 | 27,1 | 126.8. | 26.5 | 26.9 | 26.9 |
| | | | | | ्र ५ वृष्ट्य । | |
| Averege | cteTab | le 6 ₁ ,2 <u>; H</u> | midity. (av | erage of 24 | hours) | dicon |
| Month | 1968 | 1969 | 1970 | 1971 | 1972 | Average |
| 1 | 78.27 | 82.2% | 78.87 | 77.5% | 79.8% | 79.3% |
| € . ē € 2 0 ! | 79.35 | 79.1 | 78.8 | 78. l | 81.2 | 79.3 |
| 2 | 75.8 75.8 | 77.2 | 80.8 | 79.2 | 82.4 | 79. Ì |
| Λ ει | | 77.5 | 81.6 | 82. Ď | <u>, </u> | |
| λ ει 4 : 6 ! ! | 82.1 | 7/13 | 01.0 | 02.0 | 82. l' | 81.1 |
| 4 | 80. i | 77.6 | 83.3 | 81.6 | 81.5 | 80.8 |
| A [! 4 5 1 1 1 1 1 1 1 1 1 | 80.1 1.08 81.8 | 77.6 77.6 19.6 | 83.3 81.9 81.9 | 81.6 81.3 | 81.5 81.4 | 80.8 81.2 |
| 18.2 16.2 16. 14.2 | 1.08 21.8 8.18 16.08 | 77.6 17.6 79.6 80.3 | 83.3 81.9 81.9 80.8 | 81.6 81.3 81.2 | 81.5 81.4 81.0 | 80.8 81.2 80.8 |
| 18.2 16.2 16. 14.2 | 80.1 10.15 81.8 10.7 80.7 | 77.6 79.6 80.3 80.9 | 83.3 81.9 80.8 80.8 7 | 81.6 81.3 81.2 79.7 | 81.5 81.4 81.6 81.5 80.5 | 80.8 81.2 80.8 81.1 |
| 5.9 | 80.1 10.15 81.8 10.7 80.7 | 77.6 79.6 80.3 80.9 80.9 80.0 | 83.3 81.9 80.8 80.8 80.7 80.4 | 81.6 81.3 81.2 79.7 79.7 | 81.5 81.4 81.6 80.5 79.9 | 80.8 81.2 80.8 81.1 81.4 |
| 18.2 14.2 14.2 14.2 14.2 16.2 | 80.1 81.8 80.7 80.2 83.6 63.8 64.8 84.3 | 77.6 79.6 80.3 80.9 80.0 80.0 83.4 | 83.3 81.9 80.8 80.7 80.7 80.4 | 81.6 81.3 81.2 79.7 80.9 | 81.5 81.4 81.0 80.5 79.5 79.5 | 80.8 81.2 80.8 81.1 81.4 81.4 |
| 5.2 6.1 7 14.2 8.1 8.1 9.1 10.0 11 | 80.1 81.8 80.7 83.6 86.0 84.3 87.3 | 77.6 79.6 80.3 80.9 80.0 80.0 83.4 87.8 | 83.3 81.9 80.8 80.7 80.4 79.7 -78.5 | 81.6 81.3 81.2 79.7 80.9 79.6 77.3 | 81.5 81.4 81.6 80.5 79.5 79.5 80.3 | 80.8 81.2 80.8 81.1 81.2 81.3 82.2 |
| 5 6 6 7 7 8 5.51 8 5.71 9 21 10 0 01 11 12:81 | 80.1 81.8 80.7 80.2 83.6 63.8 64.8 84.3 | 77.6 79.6 80.3 80.9 80.0 83.4 87.8 83.4 | 83.3 81.9 80.8 80.7 80.7 80.4 | 81.6 81.3 81.2 79.7 80.9 | 81.5 81.4 81.0 80.5 79.5 79.5 | 80.8 81.2 80.8 81.1 81.4 81.4 |
| 5 6 6 7 2 8 5 1 10 10 11 12 8 11 | 80.1 81.8 80.7 83.6 86.0 84.3 87.3 | 77.6 79.6 80.3 80.9 80.0 80.0 83.4 87.8 | 83.3 81.9 80.8 80.7 80.4 79.7 -78.5 | 81.6 81.3 81.2 79.7 80.9 79.6 77.3 | 81.5 81.4 81.6 80.5 79.5 79.5 80.3 | 80.8 81.2 80.8 81.1 81.2 81.3 82.2 |
| 5 6 6 7 7 8 5.51 8 5.71 9 21 10 0 01 11 12:81 | 80.1 81.8 80.7 83.6 86.0 84.3 87.3 86.33 | 77.6 79.6 80.3 80.9 80.0 83.4 87.8 83.4 | 83.3 81.9 80.8 80.7 80.4 79.7 78.5 78.7 | 81.6 81.3 81.2 79.7 80.9 79.6 77.3 | 81.5 81.4 81.6 80.5 79.5 79.5 80.3 79.7 | 80.8 81.2 80.8 81.1 81.2 81.3 81.3 81.3 |
| 5.2 6.1 7 14.2 8.1 8.1 9.1 10.0 11 | 80.1 81.8 80.7 83.6 86.0 84.3 87.3 86.33 | 77.6 79.6 80.3 80.9 80.0 83.4 87.8 83.4 | 83.3 81.9 80.8 80.7 80.4 79.7 78.5 78.7 | 81.6 81.3 81.2 79.7 80.9 79.6 77.3 | 81.5 81.4 81.8 80.5 79.5 79.5 80.3 79.7 | 80.8 81.2 80.8 81.1 81.2 81.3 81.3 81.3 |

Table 6 · 3 Time from Sunrise to Sunset (average of day)

| Month | 196804 | 1969 | 1970 | 1971 | 1972 | Average |
|---------|--|--------|---------|-------|-------|---------|
| | 8.02 | 5.29 | 7.0831 | 8.06 | 7,71 | 7.23 |
| 2 | 9.64 | 7.17 | 8.25 | 9.04 | 8.91 | 8.60 |
| 3. | 8,52 | 7.88 | 8.37 🐪 | 9.65 | 9.22 | 8.73 |
| 4 | 8.10 | 10.18 | 7.81 | 9.91 | 7,44 | 8.69 |
| 5 88 | 7.38 | 7,60 % | 8.82 | 8,25 | 9.39 | 8.29 |
| 6 | 6.32 | 7,23 | 5.91 | 7.11 | 6.22 | 6.56 |
| 7.5% | 5.3350 | 7.89 | 6.10 | 7.26 | 6.88 | 6,69 |
| 8 | 6,07 | 7.54 | 6.951 | 8.61 | 7.43 | 7.20 |
| 9 . | 5.11 | 7.84 | 7.11% | 6.49 | 7. 14 | 6.74 |
| 10 | 5.75 | 4.10 | 5.09 | 7.19 | 6.68 | 5.76 |
| li 🧎 | 8,86 | 4.31 | 4.45 | 2.44 | 5.13 | 5,04 |
| 12 | 6.14 | 3.37 | 4.77 | 4, 07 | 6.11 | 4.89 |
| Avèragé | 7.10 | 6.70 : | 6.73.17 | 7.29 | 7.35 | 7.03 |
| | Service of the servic | | | | | |

Númber of Days of Rainfall

| Table 6 - 4 | Numoer o | r pays or i | Kaintali | ្រុក ។ ។ ។ ។ ។ ។ ។ ។ ។ ។ ។ ។ ។ ។ ។ ។ ។ ។ ។ | |
|------------------|--|--------------|---|--|--|
| | | | | | 1939 |
| 1968 | 1969 | ·*1970! | 1971 | 1972 | Average |
| | 6.21 | 25 9 | 8 | 25 | 16 |
| 6 | \$ | 6 | 23 | 25 | 13 |
| 사이 되었음 병학시 시간 | 11,51 | | "善,我们要没有多么。" | | 24,3 |
| 그 일반 경우 이 경우 | 6 }.et | 22 | 30 | 26 | 19 13,4 |
| | 29 (| . | 3 \$ \ | 11 | 12 日本計畫多明 |
| | 3 2, | 12 | 12 | \$ -1.63 | 11.2 |
| 23 | 8 | | 13 \$\frac{2}{2} \frac{\xi}{2} | | 18,2 |
| | 23 | 25 | 10 | 16 | 16 |
| 요즘 이번 통과 함께 보다 다 | | 4,33 | | 4 13.64 | 14.2 |
| | 3.00 | | | 그 아무슨 그래요? | 17,2 |
| 9 | | (te | 30 | - Table 1970 | 15.4 |
| 10 | | 1.50 | | D. | 10.6 |
| | 147,5. | 184 81 | 188 | 209 🚎 | 182 |
| | 1968 6 22 11 19 24 23 6 16 23 | 1968 1969 6 | 1968 1969 1970' 6 25 1 6 25 2 11 22 11 6 22 19 29 5 24 3 12 23 8 26 6 23 25 16 4 27 23 11 5 6 29 2 18 12 7 | 1968 1969 1976 1971 6 5 6 23 22 11 22 16 11 6 22 30 19 29 5 3 24 3 12 12 23 8 26 13 6 23 25 10 16 4 27 20 23 11 5 22 6 29 2 30 18 12 7 1 | 1968 1969 1970 1971 1972 5 6 25 8 23 25 6 \$ 6 23 25 11 22 16 26 11 6 22 30 26 19 29 5 3 11 24 3 12 12 5 23 8 26 13 21 6 23 25 10 16 16 4 27 20 4 23 11 5 22 25 6 29 2 30 10 18 12 7 1 15 |

•

| - | | | | | | | | : | | | - | | | |
|----------------------|------------|----------|-----|-------------|-----|-----|-----|--------|----------------|------|--------|-----|-----|----------|
| Ā | SCRETON | | | | | | | | | | | | | Yearly |
| Name of Tributary | Location | # | 2 | 6 | 4 | v | 9 | 7 | တ | 6 | ខ្ម | # | 12 | Kainfell |
| S. Calas | Gua Musang | 172 | 72 | 6 | 128 | 192 | 162 | ₩ 9 | 275 | 33.5 | 345 | 278 | 278 | 2,502 |
| S. Galas | Bertang | 170 | 06 | 118 | 108 | 179 | 159 | 141 | 177 | 228 | 312 | 283 | 245 | 2,210 |
| S. Galas | Dabong | 193 | 82 | 8 | ក | 192 | 191 | 164 | 208 | 244 | H H | 347 | 392 | 2,550 |
| S. Pergau | Bongor | 189 | 125 | # 6 # | 121 | 212 | 203 | 193 | 215 | 243 | 365 | 439 | 629 | 3,065 |
| S. Lebin | Kg. Lalok | 128 | 56 | 82 | 139 | 161 | 173 | 15.8 | 23 88 89 | 270 | 237 | 546 | 454 | 2,375 |
| S. Kelantan | Kota Bharu | 225 | 78 | 114 | 82 | 102 | 142 | 148 | 157 | 212 | 292 | 597 | 909 | 2,755 |

Table 6 - 6 Correlative Coefficients of Monthly Rainfalls at Rainfall Gauging Stations In the State of Kelantan

| | (y) | • | | | - | | | _ | | ** * | | | | | | | 5.7 g | - | | | 100 | | • | | | | | - 1 | | | | | | | | | |
|----------------|------------|---------|------------|---------------|--------------|--------------------|-----------|---------------|----------|-----------|------------|----------------|--------------------|--------------|--------|----------|--------------------|---------------|------------------|-----------------------|----------------------|---------|-------------------|--|------------------|-----------------|---------------------|---------|---------|----------|--------|----------|---------|---------------------|----------------|---------------|------------------|
| Ŕ | | 27067 | 621066 | ennes : | | 3 | | , | T., | | * 0 | - 11 | Q | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 15; | . 76 | 21 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | . 1 |
| nos | . | į, | | NULL | AC1A | CHARAGE CHARAGE | PROPERTY. | Ruk | BARTAS | 4 8054034 | RANK | 5521000 | 5824080 CHERNIG | | | SECTION? | \$621059 LADANS | 5723066 | 5772057 Bátái | \$7,20066 GUALIFON | \$718004 #5 #24#G | 5710033 | 5521052 EADANG | | 5622048 ALALA | | \$521050 #1141.4 | 5522047 | 5419036 | | | | 5120025 | | 49 19027 | 4819001 | 472 |
| 3 JAE A | | | 275 | 170 | 328 | 113 | 263 | 315 | 271 | 211 | 169 | SEKALAR ZB7 | 228 | PUTER 214 | FULL. | 31 | | , , | | ULU KAN | BUFFU | es æli | | KENNE TH | PERTAINS | B W / CR | MAL | APAS . | RUAL A | DA SON | BEACAU | AG UALOK | BERTAM | sth tele RS ARMS | STN TELE | GUA MASANS | ادیاں 1100ء م |
| EG BER | LLISAN | 0.870 | | 251 | 284 | 218 | 263 | 284 | 156 | 215 | 274 | 263 | 178 | 217 | 214 | 207 | 346 | 215 | 257 | 271 | | 160 | 216 | 185 | 301 | 211 | 298 | 269 | 265 | 239 | 309 | 4.6 | 216 | | 213 | | 54 |
| **** | 9440 | 0.00 | 0 850 | | 216 | 200 | 253 | 286 | 255 | 200 | 131 | 224 | 180 | 300 | 246 | 100 | 200 | 220 | 257 | 213 | | 156 | 353 | 195 | 283 | 117 | 280 | 257 | 237 | 234 | 262 | 43 | 245 | | 184 | | 5 |
| KOFA B | | 6 1 10 | 6 139 | Ø 836 | | 221 | 282 | 315 | 747 | 219 | 177 | 305 | 268 | 221 | 367 | 224 | 212 | 202 | 253 | 227 | | 1\$1 | 203 | 176 | 245 | 193 | 282 | 216 | 235 | 236 | 264 | 43 | 236 | | 176 | | 4 |
| ONE TCA PE | HCE4 | 0 828 | 08% | 0.793 | O 002 | | 220 | 221 | 137 | 213 | 173 | 211 | 156 | 215 | 221 | 142 | 218 | 214 | 277 | 270 | | 168 | 225 | 198 | 333 | 219 | 324 | 277 | 263 | 250 | 307 | 45 | 285 | | 205 | | _ |
| PENO. | × | 0 873 | 0 861 | | 0 922 | 0.904 | | 283 | 247 | 217 | 176 | 268 | 170 | 220 | 282 | 1166 | ! | † | 217 | 158 | | 167 | 219 | 192 | 221 | 214 | 217 | 194 | 202 | 206 | 500 | 45 | 202 | | 162 | | |
| Pan Be | FEE | 0 783 | 0 824 | 0.743 | 0.028 | G 978 | 0 9 2 5 | | 287 | 219 | 177 | 306 | 274 | 221 | 354 | 224 | 343 | 555 | 276 | 270 | | 168 | 223 | 196 | 242 | 218 | 279 | 241 | 254 | 257 | 262 | 44 | 256 | | 190 | | 1 |
| ran Farian | 5 | 0 723 | 0.721 | 0.635 | 6.729 | 0.80 1 | 0 222 | 0 113 | | 134 | 153 | 278 | 176 | 197 | . 247 | 192 | 263 | 200 | | | | 1 66 | 225 | 156 | 340 | 213 | 325 | 277 | 269 | 259 | 311 | 45 | 273 | | 205 | | L |
| BAL POLS E | MC-CE | 0 864 | 6 9% | 0 964 | 0 \$33 | O 862 | 0312 | 0 860 | 0763 | | 170 | 217 | 155 | 212 | 219 | 139 | 215 | 216 | 2:12 | 726 | | 150 | 202 | 176 | 295 | 196 | 212 | 253 | 223 | 3X | 244 | 33 | 274 | | 183 | | - |
| TÉBA FUL | | 6 MX3 | 0 923 | 6 870 | 0 929 | 0.511 | 0 9 37 | 0 906 | 0.795 | 0 929 | | 166 | 116 | 175 | 177 | 108 | 175 | 177 | 215 | 155 | | 162 | 217 | 190 | 218 | 213 | Z× | 196 | 200 | 202 | 137 | 45 | 156 | | 158 | _ | Ŀ |
| 9. DE . | | 0 725 | 0.785 | 0 517 | 9.7% | 0 136 | 0 \$53 | 0 2 40 | 0.17 | 0.905 | 0 \$22 | | 196 | 211 | 305 | 209 | 3/4 | | | | i | 136 | 176 | 150 | 176 | 37 i | 123 | 162 | 164 | 142 | 154 | 31 | 158 | li | 124 | <u> </u> | Ļ |
| PU | | 0 412 | 0.836 | 07% | 0 862 | 0 200 | 0 968 | 0.796 | 0.723 | 0 897 | 0.949 | 0.764 | | 157 | 258 | 177 | 249 | 21) | 262 164 | 241 | | 158 | 114 | 167 | 305 | 231 | 305 | 261 | 240 | 243 | 202 | 45 | 144 | | 171 | <u></u> | 1 |
| PASR I | | 0.835 | 0.861 | 0.785 | 0.8% | 0 \$22 | O 967 | 0 822 | 0 726 | 0945 | 0 172 | 0.776 | 0.836 | | 221 | : 142 | 217 | 217 | 217 | 159 | | 106 | 100 | 157 | 225 | 154 | 208 | 117 | 180 | 151 | 215 | 45 | 122 | - | 146 | | ļ |
| EMER TU | | 6 801 | 0 84.0 | 0.754 | 0.864 | 0 865 | 0.096 | 0853 | 0.782 | 0 293 | 0 152 | 0 829 | 0.864 | 0 265 | | 224 | 3% | 224 | 277 | | | 163 | 214 | 192 | 221 | 254 | 218 | 137 | 202 | 204 | 200 | 45 | 204 | | 157 | | 1 |
| ELEW | P1 81 | 0.713 | 0.715 | 0.670 | 0.760 | 0.736 | 0 820 | 0.818 | 0.739 | 0.762 | 0.795 | 0 824 | 0.740 | 0.672 | 0.757 | | 271 | 111 | 115 | 202 | | 168 | 75 | 198 | 339 | 213 | 324 | 211 | 245 | 258 | 327 | 45 | 306 | - | 275 | | Ì |
| وينفض | 36 | 0 721 | 0.763 | 0 209 | 0 8/35 | 640 | 0 362 | Ò 137 | 0 809 | 0.815 | 0.864 | 0 812 | 6790 | 0.700 | 0.855 | 0 858 | | 220 | 213 | 187 | | 108 | 145 221 | 144 | 553 | 140 | 220 | 192 | 167 | 167 | 203 | 37 | 168 | | 122 | | i |
| TELC | | 07% | 0.7% | 0.768 | 0 835 | 0 817 | 0.951 | 0.843 | 0 758 | 0.830 | 0.005 | 0 829 | 0.833 | 0 22 3 | 0.091 | 0.735 | 6113 | | 22 0 | 161 | | 185 | | 194 | 328 | 215 | 320 | 213 | 281 | 256 | 323 | 45 | 302 | | 224 | | Į. |
| POLIS | 16 | 0 179 | 0 965 | 0 600 | 0 N 9 | 0 696 | 6 754 | 0752 | 0 000 | 0.385 | 0.700 | 0.726 | 0.730 | 0.783 | 6750 | 0.682 | 0.757 | 0.953 | \leq | 214 | | 165 | 222 | 195 | 323 | 211 | 219 | 201 | 205 | 201 | 202 | 45 | 204 | | 150 | | ! |
| GUAL AU A | | 0 604 1 | ò 206 j | 0 518 | 0 694 | 0308 | 0.704 | 0 705 | 0 656 | 0 622 | 0 567 | 0 5 50 | 0 6 23 | 0 tró | 0 247 | 0762 | 0.768 | 0617 | 0 513 | | | 107 | 221 | 194 | 216 | 215 | 273 | 236 | 252 | 255 | 258 | 45 | 256 | | 197 | | į. |
| ee Eenta | 6 8A P | 1 | | | | ! | | ! — | <u> </u> | | | | | | _ | | | | | | | | 152 | 159 | 255 | 156 | 253 | 775 | 224 | 195 | 263 | 4.1 | 234 | | 167 | | Ļ |
| 8 ⊊. J€ | | 0592 | 0 651 | 0.530 | 0 570 | 0647 | 0 654 | 0.680 | 0 658 | 0 672 | 0742 | 0.711 | 0.761 | 0 559 | 0757 | 0710 | 0714 | 0 721 | 0.633 | 0 595 | | | | | | 121 | | | | | | | | | = | | + |
| LASA: FERRE | À _ | 0 177 | 0713 | € 653 | 0.753 | om | 0 808 | 0812 | 0749 | 0793 | 0.787 | 0110 | 0 779 | 0.348 | 0.846 | 0.765 | 0.854 | Ó 838 | 0 830 | 0 724 | | 0.000 | 161 | 10 | 168 | 162 | 145 | 152 1 | 155 | 166 | 154 | - 2.6 | 151 | | 137 (| | ļ |
| LACA) REENE | | 6 H3 | 6724 | Ó 679 | 0 266 | om | 618 0 | 0.736 | 0.723 | 0765 | 6.763 | 0.902 | 0.782 | 0.735 | 0.823 | 2 5 5 5 | 0.902 | | 0 805 | 0 679 | | 0.806 | 447 | 198 | 524 | 218 | 220 | 202 | 22.5 | 208 | 203 | 45 | 205 | | 162 | | Ļ |
| ا عَامَلُونَ ا | remove | 6 672 | óm | 0 630 | 034 | 0.795 | 0 A35 | 0.750 | 0.738 | 0.775 | 0.793 | 0.752 | 0.732 | Ó 752 | 0.115 | 0.786 | 0 845 | 1000 | 0.796 | 0.760 | | 0.803 | 0 929 | | 197 | 191 | 193 | 176 | 180 | 183 | 177 | 45 | 173 | | 141 | | ļ. |
| LUSOR S | 100 | 0578 | 0 566 | 0.555 | 0.615 | 0 6 21 | 0.625 | 0 572 | 0 625 | 0.642 | 0.520 | 0.658 | 0.009 | 0.606 | • | 0 544 | 0.608 | 0.724 | 9 688 | 0.496 | | 0.699 | 0.908 | 0.879 | ~~ | 213 | 324 | 276 | 254 | 257 | 297 | 45 | 158 | | 190 | | ļ. |
| EALA I | PAL | 0 656 1 | 0.709 | 0 554 | 0.734 | 0.736 | 0 802 | 0777 | 0 760 | 0.768 | 0 906 | 6700 | 0.762 | 6.790 | 011) | 0731 | | | 0.756 | 0.747 | | 11.20 | | <u>- </u> | | | 215 | 157 | 200 | 305 | 198 | 45 | 133 | -: | 158 | | Ĺ |
| | 27.11 | 0549 | 0541 [| 0 533 | 0 678 | 0576 | 0674 | 0 669 | 0 633 | 0.664 | 0 646 | 0.659 | 0.567 | 0.666 | 0 8477 | 0 501 | | 0.755 | - 1 | 0 623 | | 0.773 | 12.12 | 0.902 | | 0.764 | | 273 | 251 | 254 | 294 | 45 | 255 | ! | 107 | | _ |
| STR SE | | 0.866 | 0 671 | 0 617 | 0 6 59 | 0672 | 0 096 | 0 539 | 0.674 | 0 707 | 0 708 | 0 623 | 0 002 | 0 672 | 0 116 | 0 501 | | 0.702 | m 20 2 . 2 | 0 543 | | 0 741 | 0.773 | | 0.826 | 0.751 | 0 124 | | 214 | 216 | 250 | 41 | 770 | | 166 | | Ļ |
| CA30 | 345 | 0 619 | 0 950 | 0 529 | 0.705 | 0.700 | 0312 | 0 723 | 0.647 | 9720 | 0.701 | 0 093 | 0 739 | 0.964 | 0.713 | 0.5et | | 0734 | 0.670 | 1 | \$ | | 0.775 | | | 0.707 | 0 756 | 0673 | 0.765 | 225 | 266 | 20 | 246 | ! | 204 | = | L |
| 8656.4 | | C 621 | 0 172 j | | 0 (7) | | 0.723 | 0 685 | | | 0 346 | 0.677 | 0 645 | 0.708 | 0 577 | 0.578 | COL | 0.762 | A | 0.500 | | A 7.0 | 8500 | | | | | 12. | | | 239 | -43 | 779 | ! | 185 | | |
| FGLS | LGK | 0617 | 0144 | 0.175 | 0.725 | 0 857 | 0 800 | 0.709 | 064 | 0 650 | 0.763 | 0 904 | Q 761 | 0 732 | 0.744 | | | À 1 | A ELE | A | | | مخعمة | | | | | -, | | | - T | • | - | 1 | 209 | | - |
| | | 0.451 | 0 435 | 0.475 | 0527 | 0494 | 0.538 | 0544 | 0 551 | 0 570 | 0.317 | 0.528 | 0.563 | 05X | 0 551 | 0.446 | 6 523 | 0.545 | Ô 457 . | 0 LD . | 1 | O 347 | nere. | A 6.00 | | | A | | 244.5 | 0113 | 0 807 | | 35 | | | | - |
| STR TO | 6.6 | | <u>-</u> - | | | | | | | i : - | i | | fra taka | | | : | | | _ • | · • | | | | | | | | | | <u> </u> | | | | | 211 | = | L |
| CCA M | USANG | 0218 | 0 250 : | 0 270 5 | 0 277 | 0 367 | 0 364 | 03% | 0.501 | 0 304 | 0 303 | 0.486 | 0 409 | 0 327 | 0.401 | 0 275 | 0 384 | 0.404 | 0.242 (| | | n tra | 0.62 | A 5 + 5 | | A.c. | | | | | | | | | | | - |
| GCA M | | | | — | _: | | | | 2 (7) | • | | | | | . — | : — | | · — · | , | | | | | | | | | | | | | | | | | | i- |
| LASA! AFRAM | <u>u </u> | 0.64 | 014 ; | 0.754 | 0 295 ; | 0.400 : | 0 365 | 0 479 | 0542 | 6 144 | 0 506 | 040 | 0.379 | 0 239 | 0.385 | 0.205 | 0.394 | à tta | n ma | 014 | - | | Atra | A. 99 | A 534 | | | | | | | ; | | | - i | | _ |
| | | | | | | | | | - | | | | • . | | | | | | · , | | ·i | A NOT | V 345 ; | V-75 | 0.524 | O SPR | 0384 | 012 | 0.236 | 0 137 | 0 447 | | 0421 | | 0 605 | | L |

holland gargand and Water Level - Discharge Curve (12)/sec/day)

| | | | | | | (unit: mm | /day) cor |
|-----------|----------|-----------------|--|----------------------|----------------|--|--------------------|
| .aut | n Per | <u> </u> | 24 hrs. | 48 hrs. | | للما بالمواد المواد الدار والمسادية المواقية في المسائل معادي والمحا | 20 hrs.// |
| .1100 | 100 | Kek | .19A _457 | | :वंबद्र- | nst. | |
| 601 | | 81 | and the second of the second o | 348 გა | 63 | 266 | -165 ^{Y6} |
| 80 | ŠO | 73 | \$E 404 18 | 29 29 29 | 62 | 154 282 | 147 |
| 35 | 20 | 57 | 334 | 251 | 62 | hC1 | 3 |
| 08 | 10 | £41 | 279 | er with the last | 11 1 | | 122 € |
| ξţ | <u>.</u> | 18 | | 1/208 | 68 | 122 161 | 103 |
| 77 | | 82 | 27 | 13 | 49 | 911 | - 5 |
| 71 | | 38 | 12 | · | 64 | 166 | ð |
| 71 | | 133 | • | 0.7 | 60 | 103 | 7 |
| 03 | | | | 41 | 58 | 101 | 8 |
| | Tabl | | Constan | €∆ Es of Rain | - 67 Fall | ęę Taranas | 6 |
| 61 | | 69 | | | | Intensity | 10 |
| 63 | | 148 | • | ረለ | 54 | 91 | 11 |
| 82 | Re | 101 turn Per | íód | 75 | ĈĈ | 73 | 12 |
| 72 | | 101 | | οΔ a | 51 | 8 5 | 13 |
| 79 | | <u> </u> ξξ100 | • | ⁶ 24,791 | 51 | 30.25 | 14 |
| 159 | | 301 00 08 | - | 8.3 | 50 | 601 | 15 |
| 130 | | 96 | ''' - '' .'' | 8 ² 2,180 | 62 | 30, 20 | 16 |
| 113 | | 62163 | | (18,455 | 8. | 31,26 | 7.1 |
| 164 | | 77 10 | - | 115,674 | 43 | 32.18 | 18 |
| 130 | | 67 | | 38 | 7.5 | 32.18 ?8 | 19 |
| 102 | | 98 | | 37 | 52 | 82 | 20 |
| 74 | | 310 | inti di Santa. Tan |)\s = 136 | | 03 | 21 |
| 62 | | 154 | | | and the second | | 22 |
| 58 | | 97 | * | 35 Where: | i 1s inte | precipitation nsity (mm/day), | |
| 03 | 1.1 | 76 | | 12.2 | C 1S | COntinuing hou | ir of |
| 77 | | 62 | | | ráini | fall (hr.). | 1.74 |
| ઠક | | 54 | | 18 | 42 | 73 | 25 |
| 88 | | 50 | | 37 | 42 | 72 | 26 |
| | | 1.0 | ************************************** | 39 | 23 | 70 | 77 |
| 277 | | 48 | | 45 | £A | 68 | 28 |
| 171 | | 7.7 | 83 | ઢક | 7.7 | 66 | 29 |
| 87 | | 87 | 83 | ęε | - | 65 | 30 |
| • | | 177 | • . | 35 | • | 64 | 31 |

Table 6-9-1 cur Discharge at Tuglang Estimated by Water Levels Record and Water Level - Discharge Curve (m3/sec/day)

| 167 122 103 | Jan. 162 154 154 136 Ee1 122 136 106 103 | 63 62 62 68 64 64 | 45 308 43 1262 80,41 42 | APT: 524 32 305 31 36 ^E 29 ₅ | 78 73 57 143 | Jun, 001 50 68 68 20 68 08 |
|-------------------|--|--|--|--|-----------------------|---------------------------------|
| 147 122 103 | 154 CES 136 EQI 122 131 116 106 103 | 62 62 68 64 | 45 308 43 1262 80,41 | 32 20.1 31 366 29.5 | 73 57 | 001 08 50 88 20 |
| 147 122 103 | 154 CES 136 EQI 122 131 116 106 103 | 62 62 68 64 | 308 43 1262 80,41 | 36° 36° 29° | 73 57 | 50 08 28 20 |
| 122 | 136 E E I 122 I d I 116 106 103 | 62 68 64 | 12'62 80'41 | 38E | 57 | 28 20 |
| 103 | 122 ₁₈₁ 116 166 163 | 68 64 | 80,41 | 29,5 | | |
| | 116 106 103 | 64 | | · | 143 | വ 80 |
| | 106 103 | - | 42 | | and the second of | |
| | 103 | 64 | | 29 | 81 | 79 |
| 3 | Carrier and American States | | 41 | 27 | 58 | 77 |
| • | | 60 | 40 | - | 86 | 71 |
| No. 1 | 107 | 58 | 41 | | 133 | 71 |
| | 99 | 56 | 43 | | 25 8 - 8 - 8 | 80 ts: |
| | Intensety | -55 ⁵ | nies 13 et | Constan | 69 | 61 |
| | 91 | 54 | 45 | _ | 148 | 63 |
| e e e | 8 7 | 53 | 42 | مدایندساند. کاناگ | 102 | 82 |
| 3 | 88 | 51 | s40 | | 103 | |
| | -85 or | 51 | ics 39 | <u>.</u> | če 100 | 79 |
| | 100 | 50 | /.3 | <u>-</u> | 106 | 159 |
| 5 | 08408 | 49 | 82,180 | | 96 | 130 |
| 7 | 31065 | 48 | £23,847 | | 02163 | 113 |
| 3 | .87 | 48 | Ar 3 41 | _ | 01 77 | 164 |
|) | 85 | 47 | 38 | | 62 | 130 |
|) | 82 | 45 | 37 | _ | 98 | 102 |
| | 80 | 45 . | 116 = 136 | • | 310 | 74 |
| | | • | | <u>.</u> | | 62 |
| | precipitati | n:44' s | 35 | | 41. | 58 |
| hour of | continuing | el 1 | 35 | | | 80 |
| 5 | | 42 | | | 1.0 | 77 |
| | and the second s | | | | set of the second | 69 |
| | | | | | | 88 |
| | | | | | | 277 |
| | . ** • • | | | 02 | The second second | 171 |
| | | *** | | | | 87 |
| | 64 | | | 63 | 01 | 01 |
| | y), and g | 8, 8, 8, 8, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, 9, | 2 | 2 | 2 | 201 |

€-9-3 31da) Table 6-9-2

| Year 1976 | emineral e la president | rest 1927 | | | | |
|--|-------------------------|--------------------|---|--|-----------------------|-------------------|
| Konth Day | May Jul, | . raA Aug. | . reH Sep. | oct. | .del. Rov. | Dec. (sq. |
| 23 | 25 9 | 85°58 | 50.0 | 8 . ९ हे 104 | 5.85E 174 | 183 |
| 21 2 22 22 3 40 40 | 20 | 28 | 0.62 115 | 5.8.3 58.3 | 9.882 154 | 2 2 2 |
| 22 | 61 (1 | 3.6 | 115 0.02 | 95 0.82 | 154 2.200 | 157 |
| 3 | | 48 8 | 0.02 147 E.Q. 173 | ैं 90 8.88 | 2.104 121 2.152 | ξ 135 |
| 4 | 18 52 18 | 45 | 173 | o , vo 83 | 111 | 121 |
| 4 32 5 | 06 | 9 <u>\$</u> | 6.30 | 5.U\ | 245.5 201 | ر 104 |
| 30 | . I.A | 0ε 43 | 53.8 | 70.6 | 272.4 | 104 ੇ 104 |
| 6 7 7 25 8 22 22 22 | 81 53 | 43 1€ | 8.EZ 88 8.EZ 77 | - 001 70. ճ | 224. 5 | 104 |
| 7 | 55 | 1£ 85 42 | 77 | 3.07 3.07 115 9.37 104 | 96 | 120 |
| 8 | 54 | 41 | 0.00 | 7.11 | 135.4 | 8 113 |
| 3,7 | 81 54 | 26 04 | 0.82 78 8.62 130 8.62 158 | 88.1 | 151 4.63.4 101 | 101 |
| 16 | 81 103 | 25 | 8.65 | 94 3.68 | 5.691 | (11 |
| 10 31 | 103 | 23 | 53.8 | 91 55,3 90 | 38 139.5 | 94 \$1 |
| 11 21 | 01 102 | 23 45 | 158 | 30 | 85 | 1e 12 |
| 12 |) 101 101 | \$244 | 111 | 120 | 1.851 | 93 93 |
| 12 18 13 | 81 151 | 7.7 | 8.82 95 | 50.8 | 117.4 | 93 |
| 33 | 207 | 15 47 42 05 | 8.62. 95 54. | 184 2,12 274 £,52 325 c,1c 218 | 109.7 | 107 21 |
| 14 85 | 65 | 22 | 87 | 274 | 201 104.6 | 287 č1 |
| 23 21 22 | 136 e£ | 43 | ₹ 73 | 325 | 97 | 2/41 |
| 16 | 89 30 | 0S 42 | ۶۶ 80 | 218 | 3.66 168 | 173 173 106 |
| ξξ 12 | 0ε 71 | 32 39 | | ر 193 193 | 95.5 | 17. |
| 17 58 18 | 25 | 1,7 | 79 14 | 5.15 | 203 E.18 | 206 18 |
| . 05 | ∆2 32 | 28 22 | \ 85 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | 7.12 142 7.13 | 87.3 | |
| 19 20 20 25 21 | 23 | 152 | / / / | 113 | 302 | ξī |
| 20 | 56 | 05 177 | 77 | ₹. [₹] 105 ₹. [₹] 102 | 0.43 200 | oz |
| 24 10 | 55 69 | 31 76 | 32 69 35 88 | 51.5 | ð.18 279 | 21 |
| 7.7 | 10 | 81 179 | 36 | \$ 002 116 | 79.2 | 22 |
| 22 I£ | 143 e1 | 179 | 88 31 | 116 | 176 | 23 |
| 23 | 98 | 71 165 | ð£ 94 | 104 | 1.81 274 6.81 | |
| 04 24 | 81 74 | 81 152 | 32 801 | 0.02 104 8.02 170 | ۶۶۲ 282 | 24 25 26 |
| 24 05 25 05 26 71 | 25 | 152 71 141 | 136 | 64.4 | 70.6 | 25 |
| .05 | 16 22 | 21 | 32 52 | . 120 | 184 0.69 | 26 |
| 26 | 60 | 279 | 163 | 3.E3 97 | 206 | 27 |
| 27 | 60 | टा 141 | ξ.) 125 | 8 .0 č 120 | 66.7 160 | 27 |
| \$ <u>\$</u> 28 | ∂£ 56 | 34 | 35 98 | 50.0 | 64.4 | 28 |
| 27 \$\$ 28 \$\$ 29 \$\$ | . 31 | 280 21 | } £ | 167 | 075 62,8 | 29 |
| 29 \$\$ | 8 7 8 | 280 31 | 328 | 99 | 447 8.13 | 30 |
| 30 | 59 | 130 | 212 | 104 | 256 | 409 |
| 31 | 26 8 2 | 113 | 30 | 100 | 59.0 | 312 |

Table 6-9-3

| Year 1977 | | | o otee | | 1 | · · · · · · · · · · · · · · · · · · · |
|--|----------------------|-------------------------|-----------------------------|----------------------------|---------------------|--|
| Month | | | | renteration and | | ofti 18 |
| Day. 298 | Jan, .vo// | Peb. | Har. .⊊98 | Apr. | May | dia Jun, |
| рау. | | | -432 | · 80.0 | Jul. | |
| 1 | 324.4 | 59,8 | 50.0 | 20 | | usy. |
| 183 | 174 | 01. 58.3 | 53.0 | કર કર | ea 25 | 23 |
| 157 | \$86.9 \$34 | ₹ 8.3 | 53.0 | 28 | 20 | 21 |
| 121 3 3 | 404.5 | 59.0 | الاخ 50.0 | 28 52 32 84 33 | 20 13 17 | 23 21 22 |
| ₹₹] 4 | 151 277.9 | 00 69.8 | 49.3 | 84 2 | 36 | ڗٛڎ |
| 121 | 246.5 | 63.0 | 49.3 | 54) 33 | 81 52 | 40 |
| 5 101 | 246.5 | €8 70.6 | ετί 42.3 | 29 20 | 18 | € 40 32 |
| | 272.4 | ₹₹ 70.6 | 312 8.8c | 30 | 02 19 | , , , , , , , , , , , , , , , , , , , |
| 104 | ₽8 | 001 70.6 | 83 53.8 | £ 43 | 53 | 30 |
| 120 | 224.5 | 0.0\ 115 | 53.8 | 16 42 | 18 | 30 |
| 8 | 186.4 | ₹ <u>11</u> 72.9 | 53.0 | 28 | 17 | 25 |
| 113 | 163.4 | 104 1.88 | 38 53.0 | 28 12 26 | 17 | 25 8 25 8 22 8 |
| 101 | 101 | 20 | ες 53.8 | 04 20 | 18 م | 22 |
| 10° 10° 11 | 149.5 8 | 85.6 | 53.8 | 25 12 22 | 10 | 16 01 |
| 11 | 139.5 | 55.3 | 061 53.8 | 23 | 103 | 16 |
| 16 13 16 19 10 10 10 10 10 10 | ₹8 126.1 | 00 51.5 | 821 53.8 | 45 | 201 | î (f 21 |
| ્રદેં | \$6 | 120 | 33.8 | 22 \$} | 16 | 21 S £ |
| 13 | 117.4 | 120 8.05 | 53.8 | 22 | 101 18 | 31 |
| 14 | 001 109,7 | *\$1.5 | ્રેફ 54 | 21 | 181 41 | 13 |
| 14 287 15 241 | V(1) | \$1,5 \$1,5 \$2,3 | : <u>\$</u> 82 54 | 2.6 | 101 | 81 33 41 23 |
| 241 | 104.6 | 52.3 | 54 | ξ.) ξ.) | 46 136 | 23 |
| 16 | 99.6 | 32.5 51.5 | 54 54 | 20 | 39 | ेट्रा 22 |
| 173 71 206 | 631 95.5 | 81S 51.5 | 03 51 | 24 | (8 | .∂i 33 |
| 206 | 203 | εξί 51.5 | er | 39 | 30 | 33 |
| 18 | 91.3 | 51.5 142 | 47 8 | | 25 | 7.1 32 |
| 19 | ₹61 87.3 | 51.5 | 47 | ₹ð 22 | §∂ 24 | 81 29 81 |
| 20 21 | 302 0.48 200 | ESI 51.5 | - 11 | 7(1 | 76 | ાર્કે |
| - | 200 3.18 | 105 | 41 {{ | 77.1 | 2 3 さ | 26 0\$ |
| 21 - | 81.6 | ₹01 51. 5 | 11 32 | 81 76 | 22 | 24 |
| 22 | 79.2 | 102 8.02 | શ્રું ૂ 36 | - P.X | ₹ð | 22 22 22 21 16 |
| | 3\1 | 115 | 86 | 179 | 143 | 22 |
| 23 | 376.1 | 50.0 104 | 36 | ξθ1 | 86 86 | 31 |
| 24 | 72.9 | 50.8 | 32 801 | 18 | 18 | 23 40 |
| 25 | 707 | 50.8 0(1 64.4 | 108 | 152 | | 40 40 45 20 25 20 |
| Ξ | 191 | 120 | 34 361 52 | 17 181 | 13 25 | 20 20 |
| 26 | 0.63 0.63 0.63 | 120 63.6 | 52 | 15 | 24 | 20 |
| 27 | 66.7 | 50.8 | 601 43 | 279 15 | 03 19 | 8S 17 |
| 23 24 25 26 27 28 | 160 | 120 | 125 36 | [4] | 60 | 27 |
| 4 0 | 64.4 | 50.0 731 | 3 5 | 14 રેકેર્ | . 36 | 75 22 85 29 65 22 06 |
| 29 | 62.8 | | 89 34 | 15 | ે કર ુ 31 | 85 29 |
| 29 30 608 31 \$18 | 8.88 500 61.3 | 66 | ድናር : | 985 14 | 3.5 | 23. |
| 609 | 256 | 10% | ઁઉંટ ડાડ 30 | 081 | 24 e2 | 22 |
| 31 31 | 61.3 256 0.97 | 160 | 30 | | // | |
| | <u> </u> | A21 | | 113 | 53 | 31 |

Table 6-10 Monthly Discharge at Tualang Estimated for Rainy Season and Dry Season from Monthly Discharge at the Guillemard Bridge

(Oct. - Mar.) (Apr. - Sept.) $(m^3/s/month)$ y = 0.1805x - 22,741 (r = 0.9817) Tualang y = 0.288x - 627.398 (r - 0.9951)Month Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sep. Ôct. Nov. Dec. Year 6924* 3748* 2871* 4629* 6956* 3526× 3722* 3944* 3143* 3498* 3462* 2164* 1558* 2850* 4315* 2941* - 2117 2199* 2265* 2827* 9330* 7758* 8302* 17143* 5040* 6217* 2529* 1668* 2480* 2397* 2481* 3147* 2527×

Table 6-11 Discharge Calculation by Storage Punction Inve

Observation discharge volume and analytical discharge volume Tualang Papong Culllegard Remarks

| E Rainfall Period 008 | Observation Peak Analytical Peak |
|----------------------------------|----------------------------------|
| (11.3 | (m /sec.) |
| Dec. 12 tó Dec. 15, 1975 | 860 945 |
| Dec. 18 to Dec. 21, 1975 | Fec. £66,1972 |
| 0 Nov. 1 25 to Nov. 8 27, 1979). | 3,300 " 3,200 |
| 15,138 | 0 1073 |

Date

| | Probable Flood Discharge | | | | | | | |
|-----------------|--------------------------|---|--|--|--|--|--|--|
| Regression Year | Storage Function | Simple Correlation with Peak Discharge at the Guillemard Bridge | | | | | | |
| 200 | - | 5,800 | | | | | | |
| 100 | 5,100 | 4,900 | | | | | | |
| 50 | 4,400 | 4,000 | | | | | | |
| 20 | 3,500 | 3,000 | | | | | | |
| 10 | 2,800 | 2,300 | | | | | | |
| 5 | | 1,700 | | | | | | |

Table 6-13 Synthetical Storage Function chale Storage Hand state 11-0 stds

| Date | <u>discharee voi</u> n | Tualang | | Cuillemard | Remarks |
|------------------------------|------------------------------|----------------------|-------------------------------------|-------------|-----------|
| Acalytical Pea Dec., 1975 | Observation Value notices | මස්ට 860 | 1,428 | 1163 2,593 | |
| <u> </u> | Analytičal ''' Value | | | 2,713 | |
| Dec.18\1972 - | 897 | | o leer 15, o lee, 21, | 13,604 | |
| 3,200 | 3,300 " | | | 1 65 13,460 | |
| Dec.10,1973 - | 19 | | | 15,138 | |
| 200110,1773 | n eli2 encl | 2,643 EUI 1E 9315 | 9,424 | 15,465 | able 6-12 |

| ble Hood Discharge | Prob | | |
|--|---------------------|-------------|---------|
| Simple Correlation with Peak Discharge at the Guilliesard Bridge | Storage Function | sion Year | .Regres |
| 5,800 | | \$03 | |
| 4,900 | 5,100 | 100 | |
| 4,600 | 4,400 | 50 | |
| 3,000 | 3,500 | 20 | |
| 2,300 | 2,800 | 10 | |
| 1,709 | | in interest | |

| _ | Regression Year | Guillemard | Analytical Valve | Tualang - | Analytical Valve |
|----|--------------------------------|--------------------------------------|------------------------------|---------------------------|----------------------------------|
| u, | νο Υ /10σ ²⁰ | 1. ^A 00391 ^{Sep} | 19600 YEM | 19A 4876 G | |
| 1 | 1/50 1/20 1/20 | 00051 5 157 158 00051 | 00821 1 621 161 1 6400 | 0004 8 177 185 0006 | 3400 E1 1 041 U11 2600 U11 |

Pluctuation of Plood Discharge

| Regression Year | Guillemard | Tualang Cut Volume | Max Discharge | (m³/S) Incremental |
|--------------------|------------|-----------------------|------------------|-----------------------|
| | 19400 | 500 | 3680 | 200 |
| | 18900 | 1000 | 3180 | 700 |
| 1/100 | 18400 | 1500 | 2680 | 1200 |
| 19600 | 17900 | 2000 | 2180 | 1700 |
| | 17400 | 2500 | 1680 | 2200 |
| | 16900 | 3000 | 1180 | 2700 |
| | 16400 | 3500 | 680 | 3200 |
| | 15500 | 500 | 2900 | 30Ó |
| | 15000 | 1000 | 2400 | 800 |
| 1/50 | 14500 | 15 0 0 | 1900 | 1300 |
| 15800 | 14000 | 2000 | 1400 | 1800 |
| | 13500 | 2500 | 900 | 2300 |
| | 13000 | 3000 | 400 | 2800 |
| 1/20 | 12000 | 500 | 2100 | 400 |
| 12400 | 11500 | 1000 | 1600 | 900 |
| 12400 | 11000 | 1500 | 1100 | 1400 |
| | 10500 | 2000 | 600 | 1900 |

Table 6-15 Monthly Evaporation agreed featured ald alder

| | nalytic Valve | 4. | Tarairoi | T. N. J. | alytical Valve | | enitivation | Regression Year | 1 |
|-----------------------|---------------------|------|---------------------|----------|----------------------------------|-----|---------------------------|---------------------|------|
| Station | oolin. | řéb. | 1870 | Apr | | | . Aug. el Seb | Octor Hov. | Dec. |
| Kota Bharu | 0018 144 0035 | 148 | 000A 177 0008 | 185 | 15800 221 731 12400 | 155 | 16100 157 158 12000 | 1/50 122 1/20 | 119 |
| Cameron- Highland: | 101 | 102 | 118 | 110 | 102 102 | 104 | 101 101 | 97 90 | 87 |

Fluctuation of Flood Discharge

| Incremental | Yak Discharge | Tualang Cut Volume | Cullicard | Regression Year |
|-------------|------------------|-----------------------|-----------|---|
| 200 | 3680 | 500 | 19400 | |
| 700 | 3180 | 1000 | 18900 | |
| 1200 | 2630 | 1500 | 18400 | 001/1 |
| 1700 | 6818 | 2000 | 17900 | 19600 |
| 2200 | 1680 | 2500 | 17400 | (Lat (Lat. |
| 2700 | 1180 | 3000 | 16900 | - |
| 3200 | 680 | 3500 | 16400 | |
| 300 | 2809 | 500 | 15500 | |
| 608 | 2400 | 1000 | 15000 | ** - The state of |
| 1300 | 1900. | 1500 | 14500 | 1/50 |
| 1800 | 1400 | 2000 | 14600 | 00851 |
| 2300 | 900 | 2500 | 13560 | III a delibyrusiya da |
| 2800 | 400 | 3000 | 13000 | - |
| 400 | 2100 | 509 | 12000 | · Constant |
| 606 | 1600 | છાગા | 11500 | 1/20 |
| 1460 | 1100 | 1500 | 66011 | 12400 |
| 1900 | 600 | 2000 | 10500 | |

Station 5721642

SG. Kelantan @ Jam. Guillemard

76/01/01 to 76/08/31

| Sampling Date | Discharge (Litre/\$) | Total Solids (Residue | Suspended Solids (Non-Fil- | Specific Conduct - | Alkali- nity (MG/L) | PH (Units) | Silica (MG/L) | Calcium (MG/L) | Magnesium (MG/L) | Sodium (MG/L) | Potassium (MG/L) | Chloride (MG/L) | Sulphate (KG/L) |
|------------------|-------------------------|-----------------------------|----------------------------------|-----------------------|---------------------------|---------------|------------------|-------------------|---------------------|------------------|---------------------|--------------------|--------------------|
| | | at 105C) (MG/L) | terable Residue) (KG/L) | (Hicromhos /CM) | Calcium Carbo- nate | | | | | | | | |
| 76/ 1/13 | 487200 | 70 | 35 | 50 | 25 | 7.5 | 20 | 5.6 | 1.3 | 4.0 | 1.2 | 4 | 6.0 |
| 76/ 2/ 3 | 264000 | 55 | 5 | 50 | 30 | 7.5 | 14 | 6.4 | 2.6 | 4.1 | 1.4 | 5 | 3.0 |
| 76/ 2/24 | 228000 | 75 | 10 | 58 | 30 | 7.5 | 18 | 6.0 | 2.2 | 88.2 | 3.6 | 3 | 2.0 |
| 76/ 3/16 | 294000 | 130 | 50 | 57 | 30 | 7.6 | 14 | 6.0 | 1.2 | 4.8 | 1.7 | 3 | 2.0 |
| 76/ 5/11 | 366000 | 95 | 60 | 45 | 20 | 7.4 | 18 | 3.2 | 1.0 | ź.9 | 1.7 | 8 | 7.0 |
| 76/ 6/21 | 298800 | 95 | 40 | 52 | 30 | 7.3 | 32 | 7.2 | 0.7 | 2.7 | 1.0 | 3 | 4.0 |
| 76/ 8/30 | 660000 | 70 | 45 | 39 | 25 | 7.2 | 14 | 4.4 | 1.8 | 2.1 | 1.2 | 2 | 7.0 |

Dashes indicate laboratory analysis was not performed.

NIL indicates a value below the lowest limits of detection.

The lowest limits of detection are: Hagnesium less than 0.4 (MG/L)

Chloride less than 1 (MG/L)

Sulphate less than 0.3 (MG/L)

| Sampling Date | Colour (Hazen Units) | Turbidity (Fullers Earth) | Tempera- ture (Degree C) | Dissolved Oxygen (% Sat) | Biological Oxygen Demand (MG/L) | Chemical Oxygen Demand (MG/L) | Nitrate (MG/L) | Ammonia (MG/L) | Phosphate (Hydroly- zable) (HG/L) | | Manganese (MG/L) | Fluoride (MG/L) | |
|------------------|----------------------------|---------------------------------|-----------------------------------|--------------------------------|--|-------------------------------|-------------------|-------------------|--|----------------|---------------------------------------|--------------------|-----|
| 76/ 1/13 | 5 | 10 | 24.5 | _ | <u>.</u> | | NIL | NIL | <u>-</u> | | - | - | |
| 76/2/3 | 5 | 5 | 28.5 | ÷ | - | - | 0.1 | RIL | • | - | - | <u> </u> | |
| 76/ 2/24 | 5 | 5 | 30.0 | - | - | | NIL | NIL | | | - | <u>.</u> | |
| 76/ 3/16 | 10 | 5. | 30.5 | <u> </u> | = | | 0.0 | NIL | | 18 - 14 | - | | |
| 76/ 5/11 | 30 | 15 | 29.0 | | | | NIL | NIL | = | | _ | - | |
| 76/ 6/21 | 30 | -5 | 29.0 | = | - - | = | NIL | NLL | | - | · · · · · · · · · · · · · · · · · · · | | |
| 76/ 8/30 | 10 | 10 | 27.0 | . - | <u> -</u> | | NIL | NIL | <u>.</u> | - | <u>-</u> | - | . ' |

pashes indicate laboratory analysis was not performed.

NIL indicates a value below the lowest limits of detection.

The lowest limits of detection are: Colour less than 5 units

Nitrate less than 0.1 (MG/L)

Armonia less than 0.01 (MG/L)

Phosphate less than 0.01 (MG/L)

Iron less than 0.01 (MG/L)

Hanganese less than 0.01 (MG/L)

Pluoride less than 0.01 (MG/L)

Resource: Hydrological Data Water Quality Records 1976 Station 5222652

Pluoride less than 0.01 (YG/L)

Sg. Lebir @ Stn. Tele Kg. Tualang

76/02/01 to 76/09/30

| Sampling Date | Discharge (Litre/\$) | Sólids Sc | pended Specific lids Conduct- -Fil- ance | Alkali- nity (MG/L) | PR (Units) | Silica (MG/L) | Calcium (MG/L) | Magnesium (MG/L) | Sodium (MG/L) | | hloride Sulphate (MG/L) (MG/L) |
|------------------|-------------------------|----------------------------|--|---------------------------|---------------|------------------|-------------------|---------------------|------------------|-----|-----------------------------------|
| | | at 105C) ter (MG/L) Res | able (Micromhos idue) /CM) i/L) | | | | | | | | |
| 76/ 2/26 | | 80 | 10 82 | 45 | 7.6 | 19 | 10.0 | 6.5 | 3.8 | 0.8 | 4 11.0 |
| 76/ 3/30 | <u> </u> | 90 | 30 87 | 35 | 6.9 | 18 | 14.8 | 0.7 | 3.9 | 0.8 | 5 2.0 |
| 76/ 4/13 | <u>.</u> | 135 | 50 55 | 25 | 7.0 | 20 | 8.0 | 1.7 | 4.1 | 1.4 | 3 10.0 |
| 76/ 5/22 | | 15 | 10 36 | 20 | 7.4 | 18 | 4.0 | 0.7 | 1.9 | 1.0 | 3 11.0 |
| 76/ 8/16 | • | 105 | 25 82 | 40 | 7.3 | 16 | 4.0 | 0.8 | 4.4 | 1,1 | 3 NIL |
| 76/ 9/11 | | 125 | 75 45 | 25 | 6.8 | 20 | 6.8 | 0.6 | 1.5 | 0.7 | 2 7.0 |

Dashes indicate laboratory analysis was not performed.
NIL indicates a value below the lowest limits of detection.
The lowest limits of detection are: Magnesium less than 0.4 (MG/L)
Chloride less than 1 (MG/L)
Sulphate less than 0.3 (MG/L)

| Sampling Date | Colour (Hazen Units) | Turbidity (Pullers Earth | Tempèra- ture (Degree C) | Dissolved Oxygen (% Sat) | Biological Oxygen Demand (MG/L) | Chemical Oxygen Demand (MG/L) | Nitrate (MG/L) | Amnonia (KG/L) | Phosphate (Hydroly- zable (HG/L) | Iron (MG/L) | Manganese (MG/L) | Fluoride (KG/L) |
|------------------|----------------------------|--------------------------------|-----------------------------------|--------------------------------|--|--|-------------------|-------------------|---|----------------|---------------------|--------------------|
| 76/ 2/26 | 10 | 5 | 29.0 | | - | = | NIL | NIL | <u> </u> | - | | _ |
| 76/ 3/30 | 5 | 5 | 29.0 | | - | - | NIL | NII. | _ | - | - . | • |
| 76/ 4/13 | 10 | 20 | 29.5 | - j. | • | - | NIL | 0.01 | - | - | _ | |
| 76/ 5/22 | 50 | 5 | 27.0 | | <u>-</u> | . | NIL | NIL | | - | | - |
| 76/ 8/16 | 5 | 5 | 30.5 | | - | ÷ . | NIL | NIL | - | _ | | • |
| 76/ 9/11 | 5 | 10 | 28.0 | • | | - | NIL | NIL | - | <u> </u> | - | |

Dashes indicate laboratory analysis was not performed.

NIL indicates a value below the lowest limits of detection.

The lowest limits of detection are: Colour less than 5 units

Nitrate less than 0.1 (MG/L)

Ammonia less than 0.01 (MG/L)

Phosphate less than 0.01 (MG/L)

Iron less than 0.01 (MG/L)

Manganese less than 0.01 (MG/L)

Resource: Hydrological Data Water Quality Records 1976 Station 4809643

Sq. Perak @ Iskandar Bridge

76/01/01 to 76/12/31

| Sampling Date | Discharge (Litre/S) | Total Solids (Residue | Suspended Solids (Non-P11- | Specific Conduct- ance | Alkali- nity (MG/L) | PH (Units) | Silica (MG/L) | Calcium (MG/L) | Mágnesium (MG/L) | Sodium (MG/L) | Potassium (MG/L) | Chloride (MG/L) | Sulphate (MG/L) |
|------------------|------------------------|-----------------------------|----------------------------------|------------------------------|---------------------------|---------------|------------------|-------------------|---------------------|------------------|--|--------------------|--------------------|
| · | | at 105C (KC/L) | terable Residue) (MG/L) | (Micromhos /CH) | Calcium Carbo- nate | | | | | | | | |
| 76/ 1/ 6 | • | 80 | 20 | 45 | | 7.1 | 16 | 4.0 | 0.9 | 14.6 | 3.0 | 1 | |
| 76/ 1/19 | 55000 | 50 | 5 | 53 | 23 | 6.9 | 20 | 4.8 | 0.7 | 1.2 | 0.3 | • | NIL |
| 76/ 3/ 2 | 40000 | 85 | 10 | 4 | 21 | 7.6 | 18 | 4.4 | 3.4 | 6.0 | 0.8 | • | 1.6 |
| 76/ 4/26 | 265000 | 415 | 330 | 48 | 17 | 7.7 | 20 | 4.0 | 1.2 | 3.9 | 2.7 | | 3.0 |
| 76/ 6/15 | 105000 | 82 | 20 | 56 | 20 | 7.4 | 6 | 5.6 | 0.7 | 5.1 | 2.2 | | |
| 76/ 7/27 | 65000 | 70 | 14 | 52 | 22 | 6.7 | 20 | 6.0 | 1.0 | 3.1 | T - 8 - 12 - 12 - 12 - 12 - 12 - 12 - 12 | L | 0.3 |
| 76/ 9/21 | 130000 | 186 | 129 | 47 | 20 | 7.5 | 22 | 5.2 | | | 1.9 | NIL | 0.6 |
| 76/11/ 9 | 1. ** | 240 | 170 | 49 | 14 | 7.6 | | | 1.0 | 2.6 | 3.6 | NIL | 3.6 |
| 76/12/20 | 95000 | 75 | 55 | 51 | 17 | 6.4 | 16 12 | 4.8 5.2 | 1.2 0.7 | 2.5 2.0 | 2.5 2.0 | l NIL | 0.8 0.8 |

Dashes indicate laboratory analysis was not performed NIL indicates a value below the lowest limits of detection. The lowest limits of detection are: Hagnesium less than 0.4 (MG/L) Chloride less than 1 (MG/L) Sulphate less than 0.3 (MG/L)

| Sampling Date | Colour (Hazen Units) | Turbidity (Fullers Earth) | Tempera- ture (Degree C) | Dissolved Oxygen (% Sat) | Biological Oxygen Demand (MG/L) | Chemical Oxygen Demand (HG/L) | Nitrate (MG/L) | Amnonia (KG/L) | Phosphate (Hydroly- zable) (MG/L) | | Manganese (MG/L) | Fluoride (MG/L) | - |
|------------------|----------------------------|---------------------------------|-----------------------------------|--|--|--|--|-------------------|--|-------------|---------------------|--------------------|----|
| 76/ 1/ 6 | - | | | _ | - | | 7.5° - 1. | - | 0.33 | 0.38 | 0.03 | | |
| 76/ 1/19 | 30 | Š | 27.0 | | • | | 0.5 | 0.02 | 0.05 | 0.36 | 0.01 | NIL | ٠. |
| 76/ 3/ 2 | Ś | 20 | 27.0 | _ | <u>-</u> | _ | 1.5 | 0.04 | 0.88 | 0.30 | NIL | 0.14 | ٠. |
| 76/ 4/26 | 350 | 420 | 26.9 | | | ± 1 | 1.4 | 0.04 | 0.40 | 15.20 | 0.15 | 0.23 | |
| 76/ 6/15 | 70 | 25 | 28.9 | _ | | | 2.3 | 0, 01 | 0.30 | 0.40 | NIL | 0.23 | |
| 76/ 7/27 | 30 | 15 | 27.8 | <u> -</u> | 0.1 | i da i set i i i i i i i i i i i i i i i i i i i | 0.9 | 0.02 | 4.70 | 0.40 | 0.35 | 0.10 | |
| 76/ 9/21 | 160 | 140 | 27.5 | | 0.4 | _ | 0. 9 | 0.03 | 0.30 | 0.60 | 0.09 | 0.50 | |
| 76/11/ 9 | 160 | 255 | 27.8 | en e | 0.9 | | 0.4 | 0.10 | 0.20 | 1.44 | 0.04 | 0.40 | |
| 76/12/20 | 40 | 25 | 24.4 | - | 0.1 | | 0. 5 | 0.09 | 1.00 | 0.80 | 0.02 | 0.40 | |

Dashes indicate laboratory analysis was not performed NIL indicates a value below the lowest limits of detection. The lowest limits of detection are: Colour less than 5 units Nitrate less than 0.1 (MG/L) Armonia less than 0.01 (MG/L) Phosphate less than 0.01 (MG/L) Iron less than 0.01 (MG/L) Hanganese less than 0.01 (MG/L) Fluoride less than 0.01 (MG/L)

Resource : Hydrological Data

Water Quality Records 1976

| Species Year 1975 | 1976 | 1977 | 1978 531.492 |
|---|------|------------|---------------------|
| Elephant 46 | 39 | 66 | 69 * |
| Gaur 11 | 27 | 10 | |
| Tigér 17 | 29 | ŽÕ | 14 |
| Sámbar Dééra 32 | 25 | 26 ≋≎ే} | 32 * |
| Kalayan Honey Béar 21 | 30 | 2 | 10 * |
| Vild Pig 20 | 10 | 19 | |
| Tapir - | | 10 | 22 22 23 (14) |
| a richiscoppin levini dibarrio da la la | | | |

^{*} Protected Wild Animals

** Totally Protected Wild Antmals aliance between the content of Kelantan

requirers san's legace or the refusion of Pentraula Ralayala

Table 7-5 Density of Primates in Porest bounds to stade No. 1-1 alder

| | rest Primary rest Porest Thempels 1.54 0.37 |
|---|---|
| Hacaca fascicularis (Long-tailed Macaque) * II 0I 11 Hacaca nemestrina | |
| # II 0I 11 Macaca nemestrina | -1.34 |
| Hacaca nemestrina * (Pig-tailed Macaque) * Presbytis cristana * (Silvered-leaf Monkey) | |
| Presbytis cristana * (Silvered-leaf Yonkey) | 0.13 |
| Presbytis cristana * (Silvered-leaf Monkey) | |
| | 0.26 |
| Presbytis melalophos * | |
| (Banded-leaf Monkey) | 2.95 2.22 |
| * OI (E 1) Presbytis obscura ** (Spectacled or Duskey-leaf Monkey) | xalayan noney Eear - 47.0 |
| 9 11 | alī bitk |
| Hylobates lar * (White-handed Gibbon) | .0.891.11 |
| Hylobates syndactylus * | |
| (Siamang) | 0.51 |

^{**} Totally Protected Wild Animals

Resource: Games Dept. of Kelantan

Resource: Han's Impact on the Primates of Peninsula Malaysia

^{*} protected animals

^{**} totally protected animals

| - 4 | | | <u> 1970</u> | <u> 1977</u> |
|------------|---------------|---------------------------------------|---|--------------|
| ١ | | is and colltis, | 941 | 7,305 |
| | ages 4 veeks | and over | | |
| 2, | Typhoid fever | | 85 | 523 |
| 3. | Dysentery all | typės | 181 | 149 |
| 4. | Heasles | | 88 | 456 |
| 5 , | Deńgûe | | not available | |
| 6 | Acute in fect | lons encephalitis | sage | 0 |
| 3.75 | Mark Company | | | |
| J.: | Other and uns | pecified typhus | | |
| 8. | Malaria all t | ypes | 3,084 | 1}531 |
| 9. | Leptospirosis | | | 4 |
| ١٥. | Filariasis | | 3 | 1 |
| È £ | | | | |
| | | | 등 1987년 - 1일 1922년 - 1일 1922년 1 1일 등 1922년 - 1922년 | |
| 1 | Resource: He | alth Dep. of Kelar | itan | foliati viia |
| | | | | |
| | | | | |
| | | | 34903434441 73340345 | |
| | | | kale (1944 direktar) Lagara | |
| | | | | |
| \$. | | | | |
| i de d | | 이 일 일 일 시간 사람들이 가는 사람들이 가지 않는 것이 되었다. | | |

Table 7-7 Present Land Use (1966)

| 1101 | over. | | | |
|-----------------------------------|--------------|-------------------------|---------------|------------------------------------|
| 1206 (\$1.15) | (30 | | | line costes . ! |
| Land Use Category | | District | | Kelantan State |
| | : 25 | ka ² | 7 | 13 KM20 2 |
| CA(Urban and Associated | iŝi areas | 6 | 0.1 | 5 (101002) 1 1 1 32 0.2 201255 1 |
| Horticulture 316 | ot avail: | 17 | 0.2 | €323 € 2,2 |
| Tree, Palm and Permanent Crops | 2 | 286 | 2.6 | 977 6.6 977 6.6 6.6 15.130 N |
| Cropland! | \£0,¢ | 27 | | 116 e1779 e 5.2 |
| Grassland | | 89 | 0.8 | 20119201931 |
| Forest and Scrubland | | 10,422 | 94.5 | 11,917 80.3 |
| Recently Cleared Lar | าต้ | neinsisk ic 68 j | eg 0.6 | 7.0 7.c0[ree: |
| Swamp | | 2 | 0. 0 | 259 1.7 |
| Unused Land | | 45 | 0.4 | 63 0.4 |
| Unclassified | | 59 | 0.5 | 121 0.8 |
| Total | | 11,023 | | 14,846 100.0 |

Resource: I.F.T. Wong

The Present Land Use of Kelantan

July 1970

Present Land Use Report No.7

| Table 8-1 | | <u>for 3 Sires</u> | |
|--|--|--------------------|--|
| Ele- Name | Tualang 1 | Jeram Panjang | (km²) Klak |
| yation (m) | 250 | 247 | 217 |
| 80 | 156 | 154 | 129 |
| 70 | 91; | 89 | 70 |
| | | | |
| Stor | age Capacity | for 3 Sites | (x 106 m) |
| Rame Ele- vation (m) | Tualang | Jeram Panjang | Klak |
| 90 | 4495 | 4397 | 3565 |
| 80 | 2465 | 2392 | 1835 |
| 70 | 1230 | 1177 | 840 |
| | All the second | | A CONTRACTOR |
| | | | |
| | 0.0 | 105 | The second secon |
| And the second s | A Company of the Comp | | |
| | | | |

Table 10 - 1 Estimated Construction Cost - J, Panjang Site

(Rockfill, H.W.L. 90 m, Free Overflow)

| | | Unit | Crest Len | gth 80 m | Crest Le | ng th 120 m |
|-----------------------|---------------------------------------|---------------|----------------------|--|----------------------|---------------------------------|
| Item | Vn1£ | Price (MS) | Quantity. | Αφόψη τ (H \$10 ³) | Quantity | Amount (M\$10 ³) |
| . Civil Korks | | | | 241,134, | | 245,689. |
| -1. Buildings | | | | 8,600. | | s, 8,600. |
| Powerhouse Others | in i | 300 | 22,000 | 6,600 2,000 | | |
| -2. Waterway | | | | 32,604 | | 32,604 |
| Intake | | | | 7,817. | | 7,817 |
| earth ex- cavation | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 4.5 | 51/2 E 112 18,100 | 81 | 1648 1648 1648 | |
| rock ex- cavation | 1 | 1 15 | 57,200 | 858 | | |
| concrete | 3 | 250 | 10,200 | ā 2, 550° | | inglish. |
| steel bar | ton | 1,500 | 510 | 765. | | |
| gate ? | | 9,200 | (₹ 180 | 1,656 | | |
| screen | ton | 4,600 | 260 | 1,196 711 | | |
| others 🔾 | lot | | | | | |
| Penstock | | | | 19,012. | | 19,012 |
| earth ex- cavation | | 4.5 | 40,900 | 184 | | |
| rock ex- cavation | | 15 | 60,500 | 908 | | |
| tunnel driving | m.3 | 64 | 16,400 | 1,050 | | |
| steel ri suppórt | | 3,000 | 40 | 120 | | |
| concrete | B 3 | 270 | 16,400 | 4,428 | | |
| tunnel concrete | G 3 | 270 | 7,200 | 1,944 | | |

| 4 | | i i i i i i i i i i i i i i i i i i i | Unit | Voit Price | Crest Len | gth 80 m | Crest Lei | ya dagasar Perkadah Sila |
|-------------------|--|---------------------------------------|--|-----------------------------|--------------|------------------------------|-----------|--------------------------|
| | 538 538 | | | (H\$) | Quantity; | Amount (H\$10 ³) | Quantity | Amount (H\$103 |
| | | steel bar | ton | 11,500 | 170 | 255 | | |
| | () () () () () () () () () () | steel pipe | ton | 7,300 | 1,150 | 8,395 | | |
| A Company | | others | lot | | 1 | 1,728 | | |
| | \$ 100 miles | Tailrace | | | | 4,521. | | 4,52 |
| | | earth ex- | | | 20,600 | 93 | | |
| f | 3 | cavation rock ex- | 化二烷基 | 4.5 | | | | |
| | 3 | cavation | | 15 | 64,500 | 968 | | |
| | | concreté steel ba | 3 | 10 Table 1 | 6,600 170 | 1,782 255 | | |
| SEC. 10.00 | | gate | ton | Participation of the second | 110 | 1,012 | | |
| tin territoria | | others | lol | | | 411 | | |
| All Cale of the | | Hiscella | To the second | | | | | |
| Tes Service | | neous Korks | (A) | | | 1,254. | | 1,25 |
| Sales productions | | | | | | | | |
| | 1-3 | Reservoi | I, | | | 150,145. | | 154,1 |
| | | Hain Dai | | | | 66,370. | 8777 | 66.09 |
| | | s tri ppin | 8 13 | 3.5 | 929,000 | 3,252 | 929,000 | 3,2 |
| -6 | | rock- filling | 2 | | 4,435,000 | 48,785 | 4,409,000 | 48,49 |
| | # | rock- | | | | | | |
| | | filling (appro- | | | | | | |
| | | priate) earth- | in the state of th | | | 216 | 170,000 | |
| | | filling | 1 | 8.5 | 624,000 | 5,304 | 624,000 | 5,30 |
| | | grout hole | | | | | | |
| | A Landon and the Control of the Cont | drillin grout | g e | 140 | 11,400 | 1,596 | 11,400 | 1,5 |
| | 200 | cement | to | | 970 | 1,183 6,034 | 970 | |
| | | others | lo | | | 6,034 | | 6,0 |

| | | Unit | Crest Len | gth 80 m | Crest Len | 8th 120 m |
|-----------------------|--|----------------|-----------|-----------------|--|--|
| Item | Unit | Price (M\$) | Quantity | Amount (H\$163) | Quantity | Amount (#\$10°) |
| Şp illw ay_ | | | | 28,773. | | 32,918 |
| earth ex- cavation | 3 | 4:5 | 477,000 | 2,147 | 540,000 | 2,430 |
| rock ex- cavation | 3 | 15 | 205,000 | 3,075 | 243,000 | 3,645 |
| concrete | m 3 | 25 0 . | 79,000 | 19,750 | 90,000 | 22,500 |
| steel bar | 5,18 | 1,500 | 790 | 1,185 | 900 | 1,350 |
| others | lot | | | 2,616 | | 2,993 |
| Diversion | | | | 33,208. | | 33,208. |
| earth ex- cavation | 3 m | 4.5 | 240,000 | 1,080 | | The second second |
| rock ex- cavation | n³ | \$ (4) 15 | 43,000 | 845 | | |
| concrete | | 250 | 1,100 | 275 | | |
| tunnel driving | 1 3 | 64 | 150,000 | 9,600 | | |
| steel vil support | tón | 3,000 | 70 | 210 | The state of the s | Harry Holyson |
| tunnel concrete | B ³ | 270 | 46,000 | 12,420 | april page 1 | And the second s |
| blocking concrete | B3 | 220 | 6,800 | 1,496 | A CONTRACTOR OF THE CONTRACTOR | |
| steel ba | ton | 1,500 | 1,400 | 2,100 | | |
| gate | ton | 1.00 | 160 | 1,472 | | |
| grout hol drilling | 6 6 | 140 | 3,400 | 476 | | |
| grout | tọn | 1,220 | 340 | 415 | | |
| cewent others | lot | | | 3,019 | | |
| | | | | | | |
| Saddle . Dan 1 | | | | 14,865 | | 14,865 |
| strippin | g g | 3.5 | 393,000 | 1,376 | | |
| rock- | | ii | 852,000 | 9,37 | v. 15.11111 | |
| filling earth- | e de la companya de l | 8,5 | 138,000 | | | |
| Sent filling | B3**** | 8,5 | 138,000 | 1,17 | | |

| (Ttem | Vàlt | iUnit Price | 香仁 シスト | rêst Len | 7.7 | F + 1340'4 | 4 | | | gth 120 |
|-------------------|--|--|--|--|--|-----------------------------------|---------------------------|----------------|----------------------------------|--|
| 7/03/2013 | | (K\$) | Qu | antity | 0 | mount ; (\$10 ³) ; | |)Vant | lty | Amoun (H\$10 ³ |
| grout hole | | 140 | | 6,500 | | 910 | 12 | 5 | | And the second s |
| drilling grout | | 1,220 | The state of the s | 560 | | 683 | And and a series | | | |
| cement others | ton lót | 1,220 | The same of | | | 17351 | general salvetana | | de constatorio | |
| Saddle | | And the second | | | Suchermore of the second secon | | otari (Balisto) | | | |
| Dam 2 | | The state of the s | in the second se | | | 2,556. | Jackson Territ | | | 185.49 |
| | | And the second | a in James and | | A Same | | acalamanide (| | | 1418 2413 1 |
| | The second secon | Age () | in the parties of the second s | And the second s | 3) Succession | Open Charles | e e samente | 101 | | |
| | | And the second | niabaltemana) | | | | ani in salaa ke di | | } # () | |
| | | | (A) | | A second of the plants | | a manadadherites | | | |
| | dian temperatur | | A Company | | en According | | Apr. Shorter (Market) | | | |
| | Additional to | | t distribution | | | | a ipanoardison | | | |
| 150,61 | | | 3 - 4 · | | 7 | | فالانفاء المسهارا للمواصد | | | A Section of the sect |
| | | | Section 1 | (61.5 | | | Bankin Ship rib | | | 1100 |
| | er Cale (Alpere) | * 6 | | | 100 | | was promise | W | - 29 | 44.23 |
| | | 101,1 | | Cua, e | | 44. | 6 1. 18 48 1 MIN TO 18 | | 1.14 | |
| | | | | 102.5 | | | ********** | | | |
| | | | | | A STATE OF THE STA | | diameter report | | 185 | |
| | | | | | | | er manter & | | 19 9 46 19099 19099 | |
| | | | | | 10 10 10 10 10 10 10 10 10 10 10 10 10 1 | | 14.14 | | | |
| | | Xe. | | | | | | 3 | | |
| | The state of the s | | The second second | | 1 | | | and the second | | |
| | 0.8 | | | | | | 1 | | (1) (My) | |

| | | Unit | Crest Ler | gth 80 m | Çrest Len | gth 120 m |
|---|-----------------|--|--|---------------------------------|--|---------------------------------|
| Îtem | Unit | Price (M\$) | Quantity | Amount (H\$10 ⁴) | Quantity | Amount (M\$10 ³) |
| stripping | 3 30 | 3.5 | 147,000 | -515 | | |
| rock- filling | m³. | . 11 | 99,000 | 1,089 | | |
| earth- filling | 3 | 8.5 | 20,000 | 170 | | |
| grout hol | 2 10 | 140 | 2,100 | 294 | | |
| grout cement | ton | 1,220 | 210 | 256 | | |
| others | lot | | | 232 | | |
| Жiscella | | | | | | |
| neous <u>Works</u> | | | | 4,373. | | 4,489. |
| -4: Mechānic Equipmen | . . | and the state of t | The state of the s | 23,949. | | 24,028. |
| Pound- ation | | | Maria de la companya | 19,727. | | 19,727 |
| earth ex cayation | 103 | 4.5 | 8,700 | 39 | | |
| rock ex- cavation | | 15 | 41,200 | 618 | | |
| concrete | na ³ | 270 | 49,600 | 13,392 | A control of the cont | |
| steel ba others | r ton lot | | 2,590 1 | 1,793 | | |
| Mèchànio Equipmen | a) | | | 4,222. | Application of the second | 4,301 |
| 1-5. Temporai Pacilit | | | | 25,836. | | 26,324 |
| 2. Electro <mark>l</mark> Mechanical | | | e 870 | | e840 149,000 | |
| Equipment : Sub-total (l' | kw | A Company | 145,000 | 126,150. 367,284. | 1437000 | 370,849 |

| Item | Unit | Volt | Crest Let | igth 80 m | Crest Let | ngth 120 m |
|--|--------------------------|--|--|--|--|-----------------------------------|
| | VRLC Ferri | Price (M\$) | Quantity | Amount (M\$10 ³) | Quantity | Αφουητ ((H\$10 ³) |
| Contingency | Alternation with the | .48.49 | | 36,728, | The state of the s | 37,085 |
| . Engineering | | 100 | The second secon | 24,113, | | 24,569. |
| . Government Administrat | | | | 4,823. | | 4,914 |
| Çrand Total(Î | | | | 432,948. | | 437,417. |
| | | | The state of the s | A graduation of the control of the c | | |
| | | The second secon | A Control of the Cont | The second secon | | |
| | | A Comment of the Comm | | And the second s | | |
| | en jaron sakan sakan sak | | | | | |
| | | (0) (1) | | | | |
| | | | 001. | | 16011 | |
| | | | | | | |
| Service of the servic | | | | The state of the s | | |
| | | | | And the second s | | |
| | | | | The second secon | | |
| | | | | The control of the co | | |

| | | Unit | Crest Len | gth 160 m | Crest Len | gth 200 a |
|--|------------|----------------|----------------------|--------------------|----------------------|---------------------------------|
| Item | Voit | Price (%\$) | Quantity | Amount (H\$10') | Quantity | Amount (H\$10 ³) |
| l. Civil Works | | | | 249,871. | | 254,037 |
| l-1. Buildings | | | | 8,600. | | 8,600 |
| l-2. Waterway | | | | 32,604. | | 32,604 |
| -3. Reservoir | | | | 157,794. | | 161,441 |
| Kain Dam | | | | 65,764 | | 65,419 |
| | 3 3 | 3.5 | 200 | 3,252 | () | |
| stripping rock+ filling | 3 | 11 | 929,000 4,377,000 | 3,232 48,147 | 929,000 4,344,000 | 3,252 47,784 |
| rock- filling (appro- priate) | 1 | 1.5 | 202,000 | 303 | 235,000 | 353 |
| earth- filling | a 3 | 8.5 | 624,000 | 5,304 | 624,000 | 5,304 |
| grout hold drilling | | 140 | 11,400 | 1,596 | 11,400 | 1,596 |
| grout cement | tóñ | 1,220 | 970 | 1,183 | 970 | 1,183 |
| others | lot | | 1 | 5,979 | | 5,947 |
| <u>Spillway</u> | | | | 36,805. | | 40,691 |
| earth ex- cavation | 3 | 4.5 | 583,000 | 2,624 | 626,000 | 2,817 |
| rock ex- cavation | 3 | 15 | 289,000 | 4,335 | 335,000 | 5,025 |
| concrete | • | 250 | 100,000 | 25,000 | 110,000 | 27,500 |
| steel bai | ton | 1,500 | 1,000 | 1,500 | i,100 | 1,650 |
| others | | | | 3,346 | | 3,699 |
| Diversion | 1 | | | 33,208, | | 33,208 |
| Saddle Dam 1 | | | | 14,865. | | 14,86 |
| Saddle Dam 2 | | | | 2,556 | | 2,556 |

| | Item | | Unit Price | Crest Lei | ngth 160 m | Crest Le | 2 |
|--|----------------------------------|--------|--|------------------|--|-----------------|------------------------------|
| V. P. Carlo | 1660 | Unit | Price (H\$) | Quantity | Amount (H\$10 ³) | Quantity | Amoun (H\$10 ³ |
| A Company of the Comp | Miscella peous Kon | | | | 4,596. | | 4,70 |
| Part Same | 1-4. Pechanica Equipment | 02 | | | 24,101 | | 24,17 |
| A STATE OF THE STA | Found- àtion | | Control of the Contro | | 19,727 | | 19,72 |
| Colored Market | Héchápic Byűlpmeni | | A contracting the contracting to | A Company | 4,374 | | 4,44 |
| Salan (Salah) in 1947. Salah salaman salah salah | 1-5. Temporati | | All many to the second | | | | |
| | Pacifition 12. Electronia | | | 0825 W | 26,772.1 | | 27,2[|
| | Rechanical Equipment | kii. | | 151,000 | | 0810 153,000 | 123,93 |
| のでは、大変である。 1. A. | Sub-total () OOS () Contingent | , | the state of the s | | 374,446.1 37,445.1 | X | 377,967 37,79 |
| | 4. Englineerin | | | | 24,987. | | 25,40 |
| | 5. Covernment Administra | tion 2 | magnetic entities by the second | | 4,997. | | 5,08 |
| | Grand Total | | 5) | | 441,875. | | 446,24 |
| | | | de la constanta de la constant | Wilder Community | Application of the state of the | | |
| | | | | | Comment of the Confidence of t | | |
| The state of the s | | | Sign of the second seco | | as (pylypasi) klady | | |
| | | | | | | | |

Estimated Construction Cost & J. Pnajang Site (Rockfill, Pree Overflow)

| (H\$) Quantity (H\$103) Q | | | A 11 2 2 | H.W.L. | 4 | COLORS - LAS. | | 表起诉法 \$ 1.6 6.65 | * 生 - 人 (書 生) |
|---|---|---|---|----------------|--------------------|-------------------|---------------------------------|-------------------------|--|
| 1-1, Buildings | Item | Unit | Price (H\$) | Quantity | Apount (H\$10}) | ⊋uánt (Éy | Amount (M\$10 ³) | ຊີນ໌ລິທີ່ຢູ່ໃຊ້ງ | Αφουή τ (M \$10³) |
| 1-2; Waterway | 1. Civil Works | e automospy office the | | | 193,204 | | 220,652 | | 249,871 |
| 1-2 Materway 25,279 29,018 32,4 | 1-1. Buildings | de la companya | | A CONTRACTOR | 8,600 | | 8,600 | | 8,600 |
| Intaké ; 6,168. 7,406. 7, earth ex- cavation | | | | | | | A. Care | | |
| Intake | | | | | | | A CONTRACTOR | | Profite Comments of the Commen |
| earth ex- cavation rock ex- cavation concrete m³ | 1-2: Waterway | 5 4 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | 111.0 | | 25,219 | | 29,018 | | 32,604 |
| cavation rock ex- rock ex- cavation 250 7,700 1,925 9,000 2,250 10,200 2, steel bar ton 1,500 390 585 450 675 510 8 gate ton 9,200 140 1,288 160 1,472 180 1, screen ton 4,600 240 1,104 250 1,150 260 1, others lot 1 561 1 637 1 Penstock 14,5 32,700 147 36,800 166 40,900 cavation 24,500 726 54,500 818 60,500 cavation 250 150 818 60,500 818 60,500 cavation 250 150 818 60,500 cavation 250 150 818 60,500 818 60,500 cavation 250 150 818 60,500 818 60,500 cavation 250 818 60,500 cavatio | Intake | | | | 6,168 | | 7,006 | | 7,817 |
| cavation rock ex- rock ex- cavation 250 7,700 1,925 9,000 2,250 10,200 2, steel bar ton 1,500 390 585 450 675 510 8 gate ton 9,200 140 1,288 160 1,472 180 1, screen ton 4,600 240 1,104 250 1,150 260 1, others lot 1 561 1 637 1 Penstock 14,5 32,700 147 36,800 166 40,900 cavation 24,500 726 54,500 818 60,500 cavation 250 150 818 60,500 818 60,500 cavation 250 150 818 60,500 cavation 250 150 818 60,500 818 60,500 cavation 250 150 818 60,500 818 60,500 cavation 250 818 60,500 cavatio | earth ev- | | | | | | | | |
| cavation 1 250 7,700 1,925 9,000 2,250 10,200 2, steel bar ton 1,500 390 585 450 675 510 390 585 450 675 510 1 gate ton 9,200 140 1,288 160 1,472 180 1 screen ton 4,600 240 1,104 250 1,150 260 1 others 10t 1 561 1 637 1 Penstock 147,336 16,686 19 earth ex-cavation 1 4.5 32,700 147 36,800 166 40,900 tock ex-cavation 1 15 48,400 726 54,500 818 60,500 | cavátion | | | | | | | | 44 |
| steel bar ton 1,500 390 585 450 675 510 gate ton 9,200 140 1,288 160 1,472 180 1, screen ton 4,600 240 1,104 250 1,150 260 1, others 10t 1 561 1 637 1 Penstock 14,336 16,686 19, earth excavation rock excavation 15 48,400 726 54,500 818 60,500 cavation | (1) (1) (2) (2) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4 | E) | 15 | 42,900 | 644 | 50,000 | 750 | 57,200 | 858 |
| gate ton 9,200 140 1,288 160 1,472 180 1, screen ton 4,600 240 1,104 250 1,150 260 1, others lot 1 561 1 637 1 Penstock 14,336 16,686 19, earth ex- cavation 15 48,400 726 54,500 818 60,500 cavation 15 48,400 726 54,500 818 60,500 | 人工等化等级数据数据表现数据 | A 7 5 | A. 15 Apr 15 | | ■ 一をいすりをし | 医电影电影学 | 10.00 | | 41 4 4 4 4 2 |
| screen ton 4,600 240 1,104 250 1,150 260 1, others lot 1 561 1 637 1 Penstock 14,336 16,686 19, earth excavation a 4.5 32,700 147 36,800 166 40,900 rock excavation a 15 48,400 726 54,500 818 60,500 | | 1. 18 82 | 200000000000000000000000000000000000000 | and the second | 100000 | | 5.55 | | 100 |
| Penstock 14,336 16,686 19, earth ex- cavation a 15 48,400 726 54,500 818 60,500 cavation a 15 48,400 726 54,500 818 60,500 | | | | | 12/12/14/1 | Table 2015 (1974) | | | 1. 185 E # 1.5 |
| earth ex- 63 4.5 32,700 - 147 36,800 166 40,900 cavation 6 15 48,400 726 54,500 818 60,500 cavation | others | löt | | | 561 | 1 | 637 | i | 711 |
| rock ex- a 15 48,400 726 54,500 818 60,500 cavation | Penstock | | | | 14,336 | | 16,686 | | 19,012 |
| | . 뭘 그는 그는 전 시간을 받았던 중국 중국을 다 등 | | 4.5 | 32,700 | 14 | 36,800 | 166 | 40,900 | 184 |
| 그 사이트를 맞는 경험 경험을 그리면서 하나 하고 있다면서 요즘 사람들은 사람들은 사람들이 모르겠다는데 다꾸다. | | 3 markey | 15 | 48,400 | 726 | 54,500 | 818 | 60,500 | 90 |
| tungel a 64 13,100 838 14,800 947 16,400 1, | tuhnel driving | | 64 | 13,100 | 838 | 14,800 | 94 | 16,400 | 1,05 |
| steel rib ton 3,000 32 36 36 108 40 | | ton | 3,000 | 32 | 91 | 36 | 104 | 40 | |

| | | | higherian (il | | | | | |
|--------------------|------------|--------------|-------------------|--------------------|----------------|---|------------------|---|
| a och link k | a 08 | Uhit | H.Q.L\ | 70 m | H. W. L. | 80 m | y.W.L. | 90 m |
| Item | Vnit | Price | PAGE I | mount. | MPAN. | Mount | Quantity | Amount |
| | 1117 | (us) K | naurri K | H\$10.) | ("4", "1") | H\$10.7) | toautity (| (H\$103) |
| | 3 E0 | | TO NEW !! | | | 4.2 | 16,400 | 10.460% |
| concrete | 18 - 6 I | 270 | | 0235531 | | 100321 | | |
| tunnel concrete | m³ | 270 | 5,800 | 1,566 | 6,500 | 1,755 | 7,200 | 1,944 |
| steel bar | 100 | 1 500 | 1 1 1 2 2 2 3 5 | | 表示社会主要证 | (1891.06) | 1 4 1 3 (*1) G [| 255 |
| steel pipe | | | | | | | | |
| | | 7,300 | | | X Z | E 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | |
| others | lot | | | | | 1,317 | 1 | |
| Tallrace | 3 2 | | 2 3 5 6 6 6 6 6 6 | 3,851 | | 4 210 | | 4.521 |
| 2 ve 120 (88) | | | | | | | \$273531 | (4- 4-9) |
| earth ex- | 1 100 | 1950年1 | 1. 经通过的设计 | 4.38 | 10 500 | 02 | 20,600 | 9 |
| cavation | | | | | | | | 1 |
| rock ex- | €3. | 15 | 51.60a | 372 | 58,100 | 872 | 64,500 | 968 |
| cavation | | | | | | 1011 | \$30,130 | |
| concrète | D 3 | 24.30 to 25. | 美国公司的 | \$ 5. GREEN \$4.70 | 上 囊环,我就是能让 ▮ | 1. A. S. S. S. | 6,600 | |
| steel bar | ton | 1,500 | | 2 7 | | 1 2 2 2 2 2 2 | 170 | 3 1 2 1 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 |
| gate | ton | 9,200 | 119 | 1,012 | 110 | 1,012 | 11d | 1,01 |
| others | lot | | | 35q | | 383 | 1 | 41 |
| | 4 | | | | | | | |
| Niscella- | | | | | | | | |
| neous Works | 1 | | | 924 | | 1,116 | | 1,254 |
| | | | | | | | | |
| | | | | | | | | |
| l=3. Reservoir | | . 82.57 | | 122,777 | | 139,433 | | 157,79 |
| | | | | | | | | 65,76 |
| Main Dam | | | | 24,012 | | 44,867 | | (07, 70) |
| stripping | 3 | | 514 000 | 1 700 | 722.000 | 2 527 | 929,000 | 3,25 |
| rock- | | | | | | | | |
| illing | b 3 | 11 | 1,183,000 | 13,013 | 2,779,000 [| 30,569 | £377,000 | 48,14 |
| rock- | | | | | | | | |
| filling | . 3 | 1.5 | 948,000 | 1,422 | 575,000 | 863 | 202,000 | 30 |
| (Appròpri àte) | | | | | | | | |
| earth- | | | | | | | | |
| filling | <u>n</u> 3 | 8.5 | 451,000 | 3,834 | (537,000 | 4,56 | 624,000 | 5;30 |
| grout hol | e · | 140 | 7,000 | No. | 1 | | 11,400 | |
| drilling | | 140 | | 701 | | 1,400 | | |
| | | | | 1 | 19-3-3- | | | |

| | Item | Unit | Unit Price | | | H.W.L., | Tarrell Control | | Jan Talibi Akt. 🗈 🔻 |
|-----------------------------------|-----------------------|--|--|--|--|--|--|------------------|---------------------|
| | | | (H3) | Mantity | (H\$10°) | Quantity | (#\$10 ³) | Quantity | (M\$10°) |
| | grout cement | tón | 1,220 | 640 | 781 | | 976 | 970 | 1,183 |
| (1944년) 2017년 - 1 1417년 - 1 | others | lot | | | 2,183 | | 4,079 | | 5,979 |
| | Spillway | | | | 56.692 | | 46,905 | | 36,805. |
| | earth ex | | 4,5 | 874,000 | 3,933 | 729,000 | 3,281 | 583, 0 00 | 2,624 |
| | cavation rock ex- | | | ,354,000 | | | 1000 00 00 00 00 00 00 00 00 00 00 00 00 | Ess 基 | |
| | cávat ion concrete | | 1 | 103,000 | | | 1000 | | 多益集 15 |
| | steel ba | t ton lot | | 1,036 | | 1,020 | 1 - 33 25 25 | | 1.5.2.23 |
| | | 0.1 | | | 5,154 | 1010 | 4,264 | 基等方式的 | |
| | Diversio | n Loga | | | 1,33, 200 | | | | 33,208 |
| | | 4 | | Approximate the second | | | American de la companya de la compan | | |
| | | | in the second se | | A control of the cont | | de la proposition de la constantina del constantina de | | |
| | | | me an under | | | | | | |
| | | | Manual Property Community | | 100 | April and a second | And the second of the second o | | |
| | | | A. A. S. | | AMerican and a | | | | |
| | | | | | | | Action of the second | | |
| | | | | | | and the second s | A Comment of the Comm | | |
| | | | on the second | | | | e projektivani | | |
| y. | | | | | | | en, in anaphanista | | |
| | | de la companya del companya de la companya del companya de la comp | | | | | A Company | | |
| | | | | Capital Capita | | | A section of the sect | | |
| | | | | | | | | | |
| | | | | | | | Marija Trajira († 1865) Marija Japanija Taranija Japanija | | |

| Item |) Unit | Unit Price | H.W.L. | An explication of the control of the | H.W.L. | 80 m | H.W.L. | * * * * * * * * * * * * * * * * * * * |
|--------------------|----------------------------|---------------|--|--|--|---------------------|------------|---------------------------------------|
| | | (H\$) | | Amount (H\$10 ³) | Quantity | Amount (H\$10.1) | Quantity | Amount (H\$10 ³) |
| O/LE) Saddl | :::.53 1 ₹₹₹%id5: | | (0)36 | | | A Company | | |
| Dam 1 | | 1 57.9.75 | | 5,289 | | 10,086 | | 14,865 |
| strip | ping m | 3.5 | 204,000 | 714 | 299,000 | 1,047 | 393,000 | 1,376 |
| rock filli | | l in | 276,000 | 3,036 | 564,000 | 6,204 | 852,000 | 9,372 |
| earth fill | | 8.5 | (() 38,000 | 323 | 88,000 | 748 | 138,000 | 1,173 |
| grout | hole | 140 | 2,900 | 406 | 4,700 | 658 | 6,500 | 910 |
| drill grout | 108 | | | | | | | |
| Cenei | it 1000 | 1,220 | 270 | | | | 15.10 | |
| ōthéi | rs lot | | | 481 | | | | 1,351 |
| Sadd Dam | | | | : 1.5 · | | 306 | 54406 | 2,556 |
| i | opina m | 3.5 | | | | | 147,000 | 515 |
| rock | | | 1000.81 | | | | | 1,089 |
| fill eart | 編 翻 多线 | 8.5 | | | | | 20,000 | |
| fill | ingi | | | www. | | | (1) (2) | 文 5 章 张 章之 |
| dril | ling | 140 | 338.65 | | 1,200 | | 2,100 | |
| grou ceme | | 1,220 | A STATE OF THE STA | | 90 | | 1 210 | |
| othe | rs lot | | | A combination | | 2 | | 232 |
| Misc neou | ella- | | | | and with the state of the state | | | 5.91.81 0.753 3.753 |
| Work | S | | | 3,57 | | 4,06 | | 4,590 |
| | | | | | And the second | | | |
| 1-4 Hecha Equip | | | | 15,84 | | 19,96 | | 24,10 |
| Found | at ion | | | 12,46 | 6.0 | 16,09 | 4. | 19,72 |
| earth | ex- | 2.4.5 | 7,20 | a | 7,90 | | | |
| cavat | ion | 4.3 | 1 1 20 | 1 | 1 7,90 | q · · · 3 | 8,70 | 4 |
| | | | | | | | | |
| | | | | 12 - | | | | |
| | | | | | | | | |

| Item | บส์ไร้ | Unit Price (M\$) | | 70 m Ambunt (H\$103) | R.W.L. Qùantity | 80 m Amount (H\$10) | H.W.L. Quantity | 90 m Amount |
|-----------------------------|------------------|---------------------------------|------------------|----------------------------|--------------------|--|--|-----------------|
| | | | | | | | | (H\$103) |
| rock ex- | m³: | 15 | | | 37,800 | | 41,200 | |
| concrete steel bar | m ³ | 270 1,500 | 31,000 1,610 | 8,370 2,415 | 46,306 12,100 | 100000000000000000000000000000000000000 | 49,600 2,590 | 13,392 3,885 |
| others | lot | | 1 | 1,133 | 1 | 1,463 | | 1,793 |
| Mechanical Equipment | | | | 3,382 | | 3,863 | | 4,374 |
| | | | | | | | | |
| 1-5. Temporary | | 1-3-5-5 1-3-5-5 1-3-5-5-5 | | 20,700 | | 23,641 | | 26,172. |
| 2. Electro | | | 01 200 | | e1,040 | | e825 | |
| , Hechánical Equipment | kW | | 01,300 69,000 | 89,700 | 109,000 | 113,360. | 151,000 | n 24 ; 575. |
| Sub-total (1% | | | | 282,904 | | 334,012 | | 374,446. |
| 3: Contingency | | | | 28,290 | | 33,401 | | |
| 4. Engineerin | 8 (1) (1) | | | 19,32 | | 22,00 | . Salas | 24,987. |
| 5. Government Administra | tion | MV. | | | | 4,41 | | 4,997. |
| Grand, Total | <u> (1 A</u> | 5) | | 334,37 | | 393,89 | 10.140 <u>6</u> | 441,875. |
| | | | | | | State of the state | 3.5.3 | |
| | | | | | | | 1 10 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | diadam. |
| | | | | | | e de la companya de l | | |
| | | | | | | | नंत्र ज्व | |
| | | | | | and the second | | | |
| discountry of the second | | | | | | | 133 | A Page |
| | | | | 3.2 | | and the second | 23 25 18 30 18 30 18 28 28 | anny agencia |
| | | | | | | | | |

| % e8 0 (1 N/H) | e 63. | | | (4) (4) (4) (4) (4) | 1.11.0 | | | |
|------------------------|--|--------------------------|---------------|------------------------|---|--------------------|----------------|------------------|
| | Est | imated | Construc | 多数 电子流程 200 | st ⇔J. ate Oper | A | Site | |
| | | | | \$ -2.5.5.5.5. | ate oper | | | |
| | 30.0 | Unit | N.W.L. | 70 m | H.W.L. | 80 m | H.H.L. | 90 b |
| Item | Unit | Pricé (M\$) | Quantity | Amount (M\$10°) | wantity | Amount (M\$10°) | Quantity | Από ὑτ (H\$10 |
| l. Civil korks | Agriculture . | | | 201, 497 | (A) 35 1 1 1 | 225,704 | 10 Care 1 1 | 251,9 |
| 1-1, Buildings | A A | () () () () | | 8,600 | | 8,600 | 127.5 | 8,6 |
| 1-2 Waterway | | A Comment | | 25,279 | | 29,018 | | 32,6 |
| 1-3. Résérvoir | | | | 30,035 | | 143,855 | | 159,6 |
| Hain dan | | | | 25,872 | | 46,016 | | 66,2 |
| stripping | 20 . 0 20 | 4 4 | \$14,000 | | 1 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | 2 527 | 929:000 | 3,2 |
| rocke | 103 | | 1,361,000 | 234-56-5 | | 经验额 | 1102 | |
| filling & rock- | | | | | | | | |
| filling (Appropri | 1 | 1.5 | 770,000 | 1,135 | 465,000 | 698 | 160,000 | 2/ |
| afe) earth- | | | | | | | | |
| filling | ra · | 8.5 | | | | | 624,000 | |
| grout hole drilling | | 146 | 7,000 | 980 | 9,200 | 1,288 | 11,400 | 1,5 |
| grout cement | ton | 1,220 | 640 | 781 | 800 | 976 | 970 | 1,1 |
| others | - lot | | | 2,352 | 1 | 4,183 | | 6,0 |
| <u>Spillvay</u> | | | | 61,878 | | 50,049 | 30000 | 38,12 |
| earth ex- cavation | 1 | 4.5 | 756,000 | 3,402 | 625,000 | 2,813 | | 2,2 |
| rock ex- | B) | | u, 100,000 | 6.500 | 664.000 | 960 | 228 000 | |
| cavation Concrete | D. | 250 | a Contraction | | | L. Cal | 80,000 | |
| Steel bar | 1.00 | 1,500 | | 1,365 | · 영화 선생님 (1944) | 1,290 | 83.00 | 1,2 |
| gate others | ton lot | 9,200 | 1,330 | 12,236 5,625 | | 9,936 4,550 | 12-44 7 7 7 89 | 7,8 3,4 |
| | | | | 33,208 | 1.00 | 33, 208 | | 33,20 |

| Item | Unit | Unit Price | H.W.L. | 70 m | H.W.L. | 80 m | H.W.L. | 90 m |
|---|-----------------------|--|----------------|---------------------------------|--|--|--|--|
| | | (#\$) | Quantity | Amount (H\$10 ³) | Quantity | Amount (H\$10³) | Quantity | Απουήτ (M\$10 ³) |
| Såddle | | | | 5,289. | | 10,086. | | 14,865. |
| <u>Dam l</u> | 3232 4 09 | | 1 2 6 | 21.532 | | Annual of the second of the se | - (| |
| Saddle Dam 2 | | | | 1.20 | | 306. | | 2,556. |
| Miscella: | | | | | | And the second s | | a graph transposition of the state of the st |
| neous Korks | | | | 3,788 | | 4, 190. | | 4,649. |
| | 10.X | | | | A CO | entitution manuscript | | |
| 1-4. Mechanica Equipment | | | | 15,994 | | 20,048 | | 24,138. |
| Foundat 10 | | | 415.43 | 12,466 | | 16,097 | | 19,727. |
| Hechanica | | | | GO. | | | | |
| Egùipeent | | A Company | | 3,528 | | 3,951 | | 4,411. |
| 1÷5. Temporary | | en (2000) and | All the second | | | 1 | 2021AL | 26.994. |
| Facilitié | | | | 21,589 | | 24,183 | | 40,994 |
| 2. Blectro-cai Rechanical Equipment | kW: | | 01,210 | 1000 | 6980 133 000 | 110 56 | e780 158,000 | 123.240 |
| Sub-total (1% | | | | 303,13 | | 345,2 <u>6</u> 4 | | 375,185 |
| 31 01 3. Contingency | | Jertin Juni | 33 | 30,314 | | 34,526 | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 | 37,519. |
| 4. Engineering | 6.5 | and the second s | 100 | 20,150 | | 22,570 | | 25,195. |
| 5. Government Administra | On | | | 4,030 | | 4,514 | | 5,039. |
| Grand Total | | \$ | 2 1000 | 357,63 | 1 1 2 3 | 06,87 | | 42,938 |
| | Programme (Programme) | | | | And the second s | The control of the co | (4) (4) (4) (4) (4) (4) (4) (4) (4) (4) | |
| | 200 (200 mag) | | | | | | | Description |
| | | | | | | | | A Company (Market |
| 33. | | | | | | | | |

Estimated Construction Cost - Tualang Site (Concrete Gravity) 自己的行政数 80, ja H.W.L. 30 m Unit Price Item Amount (H\$10°) Quantit Amount Amount (M\$) (H\$103) (H\$10³ 185,335 244,956 306,849 1. Civil Works 1-1. Buildings 8,600 8,600 8,600 1-2, Waterway 23,888 30, 349 27,160 10,260 9,044 7,829 8,760 earth ex-8,700 8,700 39 35 cavation rock ex-5,200 5, 200 5,200 cavation concrete 19,200 250 14,000 3,500 16,600 4,150 4,800 800 1,100 steel bar 1,500 200 950 1,425 ton 9,200 . 150 170 190 ton 1,380 1,564 gațe 920 1,012screen tóp 4,600 200 others 712 822 933 10,307 Penstock earth ex cavation 172 42,600 38,200 40,400 rock ex-71,000 78,500 1,290 m Ì 1,065 86,000 cavation 270 11,500 3,105 13,100 3,537 14,600 3,942 œ3 concreté 180 210 240 140 160 1,500 270 steel bår tòn - 660 4,818 6,862 steel pip 7,300 800 940 ton 5,840 1,098 others 1,256 lót 937 (1) 4,996 4,833 5,110 Tailrace 22,300 23,300 100 105 24,300

| | unit | Vnit Price (H\$) | H.W.L. | 70 m | <u> </u> | 80 ta | H.W.L. | |
|------------------------|-------------|------------------------|----------|----------------------------|----------|---------------------------------|--------------------------------------|---------------------------------|
| Item | | | Quantity | Απουή τ (H\$10°) | Quantity | Azovnt (H\$10 ³) | Quantity | Amount (H\$10 ³) |
| rock ex- | 3 | 15 | 85,800 | 1,287 | 84,300 | 1,265 | 82,800 | 1,242 |
| cavation concrete | | 270 | 6,500 | 1,755 | 7,000 | 1,890 | 7,400 | 1.998 |
| steel bar | | 1,500 | 160 | 249 | 180 | 270 | 190 | 285 |
| gate | 314 | 9,200 | 110 | 1,012 | 110 | 1,012 | nó | 1,012 |
| others | lot | | | 439 | | 454 | | 464 |
| Miscella- neous | | | | | | And Children | | |
| Korks | | | 945 39 | 919 | | 1,045. | | 1,167. |
| 1-3. Reservoit | | | | 116,683 | | 62,118 | | 209,671 |
| | | | | | | 00,846 | | 36 620 |
| Wain Dam | | | | 72,994 | | 100,040 | ligas (1946) 1947/1946 Milians | 28,869 |
| earth ex- cavation | 3 | 4.5 | 69,000 | 311 | 96,500 | 434 | 124,000 | 558 |
| rock ex- | 3 | 0.15 | 123,000 | (1,845 | 146,000 | 2,190 | 169,000 | 2,535 |
| cavation concrete | 3 | ¹ 2δο | 227,000 | 45,40 | 361,006 | 72,200 | 495,000 | 99,000 |
| steel bar | | 1,500 | 640 | 960 | 680 | 1,020 | 716 | 1,065 |
| gate | 한 사람들이 되었다. | 9,200 | 1,330 | 12,23 | 6 1,080 | 1 2 | | |
| grout hole drilling | | 140 | 3,800 | 53 | 2 5,100 | 714 | 6,300 | 882 |
| grout ceaent | toi | 1,220 | 300 | 36 | 6 390 | 476 | 480 | 586 |
| cofferdam | į 3 | 226 | 21,400 | 24,70 | 8 21;400 | 4,708 | 21,400 | 4,708 |
| concrete | 10 | E CC. | | | 6 | 9,168 | | 11,715 |
| Diversion | . > .1 | | | 21,36 | | 21,362 | | 21,362 |
| | | | | € | 10.00 | | | |
| earth ex- cavation | 33 B | 44 | 27,000 | C-2 \12 | 2 | | 2 3 20 2 | |
| rock ex- cavation | | | 30,000 | 45 | 0 | | | |
| concrete | Q 3 | 250 250 | 1,500 | 37 | 5 | | 25.71 | |

| | 1.4 | Vnië | the state of the state of | 7.7 | h, n'.e. | 80 m | H.W.L. | 90 m |
|----------------------|------------|------------------------|--|--------------------|--|--|--|--|
| Item | Ols | Price (M\$) | Quantily | Amount (H\$10³) | Quantity | Amount (X\$10°) | Quantity | Amount (H\$10 ³) |
| tunnel driving | 3 (0) | 64 | 97,000 | 6,208 | | According to the second | | A Company of the Comp |
| steel rib | ton | 3,000 | 240 | 720 | | a effect and a second and a sec | | |
| tunnel concrete | | 270 | 29,600 | 7,992 | | The state of the s | | |
| blocking concrete | 3 | 220 | 3,400 | 748 | | City Company | | Martin Head down |
| steel bar | | 1,500 | 网络 医基质线性 | | 李秋 红 护 奇 | Parameter (1908) | | |
| gate, grout hole | 1 (2.7 %) | [秦] (4) (宋) (B) (4) | 2.800 | 736 392 | | A LEAD OF THE STATE OF THE STAT | | a constant of the constant of |
| drilling grout | | 1,220 | 280 | | | And Andreas of the Angelon of the An | | |
| cement others | lot | | | 1,942 | | Adding the formation of the control | | |
| Saddle | | Automotive to all nets | | | | Market english under de former english den de former english de former en de former de former en de former de former en de former de for | | |
| Dan 1 | | | | 5,289 | | 10,086 | | 14,86 |
| Saddle Dam 2 | | | | | | 306 | Particular School Street | 2,55¢ |
| Saddle | | | | | The second secon | | The state of the s | |
| Dam 3 | | | | 13,639 | | 24,796 | | 35,91 |
| tock- | | 3.5 11 | | | 建筑家 的 | 抗胚溶基 | 872,000 2125,000 | 20 8 8 S |
| filling earth÷ | | | | | | | 1112 | 25 |
| grout hol | B | 8.5 | 155,000 | | | | 399,000 | |
| drilling grout | | 140 | 6,700 | | | | 11,400 | |
| cement others | ton lot | 1,220 | 640 | | | 1,01 2,25 | | 1,23 |
| Miscella | | | Action of the second of the se | , 24 | | 2,23 | | 3,26 |
| neous Horks | | | | 3, 39 | | 4,72 | 2 | 6,10 |

| Iten | Unit | Unit Price | H.W.L. | 70 m | A.V.L. | 80 m | H.W.L. | 90 m |
|---|--|--|---------------------------------------|---------------------------------|------------------|---|----------------|--------------------|
| | 1000 | (H\$) | Quantity | Amount (H\$10 ¹) | Quantity | Αφουήτ (M\$10°) | Quantity | Απουπέ (Η\$10³) |
| l-4. Mechanica Equipment | | Commence of the commence of th | | 16.308 | | 20,833 | | 25,352 |
| Foundatio | nerë : | | | 13,063 | | | | |
| earth ex- | 3 | 4.5 | 17.600 | 70 | 17,200 | 77 | 16.700 | |
| cavation rock ex- | 1 | | | | | | 56,900 | |
| cayation | | 270 | 1470多数 | 1,011 | 62,200 40,300 | | | |
| concrete steel bar | m ton | 1,500 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 2,415 | - 群島中衛衛衛軍 | 3,150 | | 1000 |
| others | lot | a distribution of the second o | | 1,188 | 1 | 1,504 | | 1,816 |
| Méchanica | | in year dogs. | | 3,245 | A State | 4,288 | | 5,372 |
| <u>Eguloment</u> | | And the second s | | 13.242 | | 14,200 | | 12224 |
| 1=5. Temporary Pacilitie | | | | 19,857 | | 26,24 | | 32,87 |
| | | | 1.28.7 | C Sager | | | | |
| 2. Electro Mechanical | | | 21,200 | | 2 920 | | 3750' | |
| Equipment | kW | | 88,000 | | 128,000 | | | |
| Sub-total (1 | v2) | | | 290,936 | | 362,71 | | 429,969 |
| 3. Contingenc | y | | | 29,094 | | 36,27 | | 42,99 |
| 47 Engineerin | g A.A | kon. | 1 818,5 | 18,53 | | 24,49 | 6 (1.04.57) | 30,68 |
| 5. "Government Administra | | and the same of th | | 3,70 | | 4,89 | 9 | 6,13 |
| Grand Total | | (1.000) 50 | | 342,27 | 7 | •28,38 | | 509,78 |
| | | 1001 | | | | A Commence of the Commence of | | ř |
| | | 5 34° | | And Supering | | | | |
| | | Heren | | | | And | | |
| | en jest og det en state og det | A Common of the | | | | | ្ត <u>រ</u> ុំ | • |
| | | | | | Polymer Addition | | | |
| Buller Brand (Brand Brand) Albert Albert Brand (Brand Brand) (Brand Brand (Brand Brand) (Brand Brand) | | | | | | | | |
| | | | | | | | | |
| | | | | -319 - | | | | |