2.3 Pumping Volume Survey Data in5 Villages (During Dry Season)

Result of Pumping Volume each Water Containers

| (Sampling date   | (Sampling date 23 Feb 1995) | :             |                    |            | 80             |             | . 25           |              | 15             |   | <b>∞</b>      |            |
|--|-----------------------------|---------------|--------------------|------------|----------------|-------------|----------------|--------------|----------------|---|---------------|------------|
| Village name   | le B. Lak 21                | $\oplus$      |                    |            | (Volume 80Lit) | it) .       | (Volume 25Lit) | t)           | (Volume 15Lit) | ţ   | (Volume 8Lit) | Ç          |
| Contract Con |                             |               |                    | Oil drum ( | (Volume(1))    | 30Lit Bucke | t(Volume(2))   | 20Lit Bucket | (Yolume(3))    | <pre>30Lit Bucket(Volume(2))20Lit Bucket(Volume(3)) 10Lit Bucket(Volume(4))</pre> | (Volume{4})   |            |
| D. sanitara + i mo   | w of Times rate             | Volume(1.)    | Amount Supply(Lit) |            | Volume{1}      | Personnel   | Volume (2)     | Personnel    | Volume(3)      | Personnel   | Volume (4)    | TOTAL(Lit) |
| rumping time.  | OT THE                      |               | c                  | 0          | 0              | 0           | 0              | 0            | 0              | . 0   | 0             | 0          |
| , c .  | <b>&gt;</b> C               | > <           | · -                | · C        | . 0            | 0           | 0              | 0            | 0              | 0   | 0             | 0          |
| 7 0  | o c                         | > C           | » C                | · c        | · c            |             | 0              | 0            | 0              | 0   | 0             | 0          |
| n ₹  | <b>&gt;</b> C               | - c           | <b>&gt;</b> C      |            | • •            | 0           | 0              | 0            | 0              | <b>o</b>  | 0             | 0          |
| 5 4<br>} {   | <b>&gt;</b> C               | <b>&gt;</b> C | · C                | · c        | 0              | 0           | 0              | 0            | 0              | 0   | 0             | 0          |
| ) (c   | 94.41                       | 49.1          | 421                | 2          | 160            | 63          | 20             | 13           | 195            | 3   | 16            | 421        |
| ) /-<br>}  | 19.59                       | 216           | 637                | 0          | •              | гъ          | 125            | ر<br>س       | 75             | 23  | 16            | 216        |
| ~ ~<br>} }   | 5.86                        | =             | 738                | 0          | 0              | ,1          | 52             | Ŧ            | <u>9</u>       | 2   | 16            | 101        |
| ο σ.<br>- α  | 4 00                        | 59            | 807                | <b>~</b>   | 0              | 0           | 0              | ಣ            | 45             | က   | 24            | 69         |
| -  | 0.46                        | } ∝           | 815                | 0          | 0              | 0           | 0              | 0            | 0              | -   | <b>0</b> 0    | ∞.         |
|  | 0 86                        | . 22          | . G.               | -          | 80             | 0           | 0              | 9            | 8              | 0   | 0             | 170        |
|  | 300                         | 2 4           | 1 001              | · c        | . <b>c</b>     | 0           | 0              | 0            | 0              | 2   | 16            | 16         |
| ֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓  | 0. 30                       | 1 00 1        | 100 41             | cr.        | 240            | ∞           | 200            | 31           | 465            | 12  | 98            | 1, 001     |
| 300 total  | 7 0 0                       | 15            | 1 016              |            | 0              | 0           | 0              |              | 15             | 0   | 0             | 15         |
| !  | 50.61                       | 2.7           | 1 190              |            | 0              | ന           | 73             | ភេ           | 75             | ຕວ  | 24            | 174        |
| 14 ~ 15  | 6 87                        | × 0×          | 1.308              |            | 0              | 2           | 20             | 7            | 09             | <b></b> 4   | ဆ်            | 118        |
| 1 2 4  | 93 30                       | 402           | 1, 710             |            | <u>@</u>       | ഹ           | 125            | 11           | 165            | ব   | 32            | 402        |
| 1.6 ~ 1.7  | 0.00                        | ;<br>;        | 1.725              | 0          | 0              | 0           | 0              |              | 35             | 0   | 0             | 15         |
|  | ,<br>,                      | ? ~           | )<br>:             | 0          | 0              | 0           | 0              | 0            | 0              | 0   | 0             | 0          |
| o  | > C                         | · c           | · C                | 0          | 0              | 0           | 0              | 0            | 0              | 0   | 0             | 0          |
| 0 0 0 1  | · c                         | · c           |                    | 0          | 0              | 0           | 0              | 0            | 0              | 0   | 0             | 0          |
| . c ~ c c  |                             | · c           | · c                | 0          | 0              | 0           | 0              | 0            | 0              | 0   | 0             | 0          |
| 0 C ~ C C C C C C C C C C C C C C C C C  |                             | · c           | · c                | 0          | 0              | 0           | 0              | 0            | 0              | 0   | 0             | 0          |
| ٠,   | · ·                         | · =           |                    | 0          | 0              | 0           | 0              | 0            | 0              | 0   | 0             | 0          |
| )  | · C                         |               | 0                  | 0          | 0              | 0           | 0              | 0            | •              | 0   | 0             | 0          |
| ub tota  | <b>)</b>                    | 724           |                    | -          | 80             | 01          | 250            | 22           | 330            | 8   | 64            | 724        |
| TOTAL  |                             | 1, 725        |                    | 4          | 320            | 18          | 450            | 53           | 795            | 20  | 160           | 1, 725     |
|  |                             |               |                    |            |                |             |                |              |                |   |               |            |

|                |                 |           |                    | Result      | Result of Pumping Volume each Village | loV gnic     | ume each       | Village  |                |                         |               |            |
|----------------|-----------------|-----------|--------------------|-------------|---------------------------------------|--------------|----------------|--|----------------|-------------------------|---------------|------------|
| (Sampling date | te 24 Feb 1995) |           |                    | •           | 88                                    |              | 25             | -  | . 15           |                         | <b>σ</b> ο    |            |
| Village na     |                 | (2)       |                    |             | (Volume 80Lit)                        | <del>•</del> | (Volume 25Lit) | ( <del>)</del>                                 | (Volume 15Lit) | it)                     | (Volume 8Lit) | it)        |
|                |                 |           |                    | Oil drum    | (Volume(1})                           | 30Lit Bucke  | t(Volume{2})   | 30Lit Bucket(Volume(2))20Lit Bucket(Volume(3)) |                | 10Lit Bucket(Yolume(4)) | ((Yolume [4]) |            |
| Pumping time   | X of Times rate | Volume(L) | Amount Supply(Lit) | Personnel   | Volume (1)                            | Personnel    | Volume(2)      | Personnel                                      | Volume(3)      | Personnel               | Volume(4)     | TOTAL(Lit) |
| $0\sim 1$      | 0               | 0         | 0                  | 0           | 0                                     | 0            | 0              | 0  | 0              | 0                       | 0             | 0          |
| $1\sim 2$      | 0               | 0         | 0                  | 0           | 0                                     | 0            |                | 0  | 0              | 0                       | 0             | 0          |
| £ ~ 3          | 0               | 0         | 0                  | 0           | 0                                     | 0            | 0              | 0  | 0              | 0                       | 0             | 0          |
| 3<br>✓ &       | 0               | 0         | 0                  | 0           | 0                                     | 0            | 0              | 0  | 0              | 0                       | 0             | 0          |
| 4 ~ 5          | 0.00            | 0         | 0                  | 0           | 0                                     | 0            | 0              | 0  | 0              | 0                       | 0             | 0          |
| 2              | 16.11           | 365       | 365                | 0           | 0                                     | 2            | 175            | 10   | 150            | 2                       | 40            | 365        |
| L ~ 9          | 11.17           | 253       | 618                | 0           | 0                                     | င            | 75             | <b>9</b>                                       | 06             | =                       | 88            | 253        |
| 7 ~ 8          | 7.06            | 160       | 778                | -           | 08                                    |              | 52             | -  | 15             | 2                       | 40            | 160        |
| 6 ~<br>⊗       | 2.34            | 53        | 831                | 0           | 0                                     | 0            | <u> </u>       | က  | 45             | ·                       | ,<br>œ        | 53         |
| $9\sim10$      | 7.73            | 175       | 1,006              | 0           | 0                                     |              | 52             | 10   | 150            | 0                       | 0             | 175        |
| $10 \sim 11$   | 5.74            | 130       | 1, 136             | -           | 08                                    | 2            | 20             | 0  | 0              | 0                       | 0             | 130        |
| $11 \sim 12$   | 1.10            | 25        | 1, 161             | 0           | · .                                   |              | 52             | 0  | 0              | 0                       | 0             | 25         |
| Sub total      |                 | 1, 161    |                    | 2           | 160                                   | 15           | 375            | 30   | 450            | 22                      | 176           | 1, 161     |
| $12 \sim 13$   | 5.21            | 118       | 1, 279             |             | 80                                    | 0            | 0              | 2  | 30             | 1                       | œ             | 118        |
| $13 \sim 14$   | 1.81            | 41        | 1, 320             | 0           | 0                                     |              | 52             | 0  | 0              | 2                       | 16            | 41         |
| $14 \sim 15$   | 4.64            | 105       | 1, 425             | _           | <b>8</b>                              | -            | 52             | 0  | 0              | 0                       | <b>.</b>      | 105        |
| $15 \sim 16$   | 10.73           | 243       | 1,668              |             | 8                                     | <b>₹</b>     | 100            | -  | 15             | 9                       | 48            | 243        |
| $16 \sim 17$   | 0.66            | 15        | 1,683              | 0           | 0                                     | 0            | 0              | -  | 15             | 0                       | <b>o</b>      | 15         |
| $17 \sim 18$   | 00.00           | 0         | 1, 683             | 0           | 0                                     | 0            | 0              | 0  | 0              | 0                       | 0             | 0          |
| $18 \sim 19$   | 11.13           | 252       | 1, 935             | 0           | 0                                     | 0            | 0              | 13   | 180            | on:                     | . 72          | 252        |
| $1.9 \sim 20$  | 14. 57          | 330       | 2, 265             | <del></del> | 80                                    | 01           | 220            | 0  | 0              | 0                       | 0             | 330        |
| $2.0 \sim 2.1$ | 0               | 0         | 0                  | 0           | <b>ن</b>                              | 0            | 0              | 0  | 0              | 0                       | 0             | 0          |
| $21 \sim 22$   | •               | 0         | 0                  | 0           | 0                                     | 0            | 0              | 0  | 0              | 0                       | 0             | 0          |
| $2.2 \sim 2.3$ | 0               | 0         | 0                  | <b>0</b>    | 0                                     | 0<br>0       | 0              | 0  | 0              | 0                       | 0             | 0          |
| $23 \sim 24$   |                 | 0         | 0                  | 0           | 0                                     | 0            | 0              | 0  | 0              | 0                       | <b>o</b> '    | 0          |
| Sub total      |                 | 1, 104    |                    | 4           | 320                                   | 16           | 400            | 16   | 240            | 18                      | 144           | 1, 104     |
| TOTAL          |                 | 2, 265    |                    | 9           | 480                                   | 31           | 775            | 46   | 069            | 40                      | 320           | 2, 265     |

|  |  |                    |                      |              | 4  |              | _                   |             | •                    |        |
|--|--|--------------------|----------------------|--------------|--|--------------|---------------------|-------------|----------------------|--------|
| (Sampling date 25 Feb 1995)<br>Village name R Lak 21 | Teb 1995)<br>Lak 21 (3)                |                    | 8U<br>(Volume 80Lit) | • .          | 23<br>(Volume 25Lit)   | (70          | (Volume 15Lit)      | (Volu       | (Volume 8Lit)        |        |
| s  | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ |                    | Oil drum (Volume(1)) | 30Lit Bucket | 30Lit Bucket(Volume(2))20Lit Bucket(Volume(3)) 10Lit Bucket(Volume(4)) | Bucket(Vol   | ume (3) 10Lit B     | ucket(Volum |                      |        |
| Pumping time   % of Times rate                       | rate Volume(L)                         | Amount Supply(Lit) | Personnel Volume [1] | Personnel    | Volume(2) Pers   | Personnel Vo | Volume(3) Personnel | ı           | Volume(4) TOTAL(Lit) | (Lit.) |
|  | 0                                      | 0                  | 0 0                  | 0            | 0  | 0            | 0.0                 |             | 0 0                  |        |
| ~ 2  | 0                                      | 120                | 0 0                  | 0            | . 0  | 0            | 0                   |             | 0 0                  |        |
| · <del>·</del>                                       |  | 0                  | 0                    | 0            | 0  | 0            | 0                   |             | 0 0                  |        |
| > ~ ~  | · •                                    | 0                  | 0                    | 0            | 0  | 0            | 0                   |             | 0 0                  |        |
| ~ 5 2.27   | 08                                     | 08                 | 1 80                 | O            | 0  | 0            | 0                   |             |                      |        |
| $\sim 6$ 11.64                                       |  | 491                | 0 0                  | 7            | 175  | 12.          | 180                 |             | **                   |        |
| ~ 7 7.42   | <u></u>                                | 753                | 0 0                  | 'n           | 125  | 7            | 105                 |             |                      | 6)     |
| ~ 8 4.61   | 163                                    | 916                | 1 80                 |              | 0  |              | 75                  |             |                      | ~      |
|  | 110                                    | 1,026              | 0 0                  | 2            | 50   | 4            | ) 09                |             |                      | _      |
|  | 62                                     | 1, 088             | 0 0                  | 0            | 0  | 2            | 30                  |             |                      | ٠.     |
| $\sim 1.1$ 4.25                                      | 120                                    | 1, 238             | 0 0                  | င်ာ          | 75   | ເລ           | 75 (                | _           |                      |        |
| ~ 12 3.57  | 126                                    | 1, 364             | 0 0                  | 7            | 50   | 4            |                     | 2           |                      |        |
|  | 1.364                                  |                    | 2 160                | 19           |  | 39           | 585 1               | [8          |                      | 34     |
| ~ 13   11 41   | 403                                    | 1.767              | 1 80                 | 2            | 20   | 15           |                     | 9           | `                    | -      |
| , <del>1</del>                                       | 74                                     | 1,841              | 0 0                  | 8            | 50   | 0            | 0                   |             | 24 74                |        |
| ~ 15 5 63  | 199                                    | 2, 040             | 0 0                  | ব            | 100  | 2            | 75                  |             |                      | •      |
| $\sim 16   18.94$                                    |  | 2, 709             | 2 160                | 6            | 225  | 12           | _                   |             |                      | œ      |
| ~ 17   13.79   |  | 3, 196             | 2 160                | 9            | 150  |              | 105                 | _           | •                    | •      |
| ~ 18 8 8.24  | 291                                    | 3, 487             | 1 80                 | 2            | 20   | 7            | 105                 |             |                      |        |
| $\sim 19$ 1.27                                       | 45                                     | 3, 532             | 0 0                  | 0            |  | က            | 45                  | _           | 0 45                 |        |
| $\sim 20   0.00$                                     | 0                                      | 3, 532             | 0 0                  | 0            | 0  | . 0          | 0                   | _           | 0                    |        |
| $\sim 21$ 0  |  | . 0                | 0 0                  | 0            | 0  | 0            | . 0                 |             | 0                    |        |
| $\sim 22$ 0  | 0                                      | 0                  | 0 0.                 | 0            | 0  | 0            | 0                   |             | 0 0                  |        |
| ~ 23   | 0                                      | 0                  | 0 0                  | 0            | 0  | 0            | 0                   |             | 0                    |        |
| ) <del>4</del>                                       | · @                                    | 0                  | 0 0                  | 0            | 0  | 0            | 0                   |             |                      |        |
| -  | 2, 168                                 |                    | 6 480                | 22           | 625  | 49           | 735 4               |             |                      | 168    |
|  | 661.6                                  |                    | 0 640                | 17           | 1 100  | 88           | 1 390 5             | 7           | 479 3 532            | 32     |

Result of Pumping Volume each Village

| (Sampling date |                 | 2)        |                    | Kesuli     | Result of Fumping Volume each Village<br>80 25 | ing vol     | ume each<br>25 | VILIABE                                 | 15   |               | <b>&amp;</b>  |            |
|----------------|-----------------|-----------|--------------------|------------|--|-------------|----------------|---|--|---------------|---------------|------------|
| Village name   | me B. Lak 2     | 1 (4)     |                    |            | (Volume 80Lit)                                 | <b>‡</b>    | (Volume 25Lit) | <del>(</del>                            | (Volume 15Lit)   | (1)           | (Volume 8Lit) |            |
|                |                 |           |                    | Oil drum ( | (Volume{1}) 3                                  | 30Lit Bucke | t(Volume {2})  | 20Lit Bucker                            | <pre>0il drum (Volume(1)) 30Lit Bucket(Volume(2))20Lit Bucket(Volume(3)) 10Lit Bucket(Volume(4))</pre> | 10Lit Bucket( | (Volume 44))  |            |
| Pumping time   | % of Times rate | Volume(L) | Amount Supply(Lit) | Personnel  | Volume(1)                                      | Personne1   | Volume(2)      | Personnel                               | Volume (3)   | Personnel     | Volume(4)     | TOTAL(Lit) |
| - 0<br>- 0     | 0               | 0         | 0                  | 0          | 0  | 0           | 0              | 0                                       | 0  | 0             | 0             | 0          |
| $1 \sim 2$     | 0               | 0         | 0                  | 0          | 0  | 0           | 0              | 0                                       | 0  | 0             | 0             | 0          |
| 2 ~ 3          | 0               | 0         | 0                  | 0          | 0  | 0           | 0              | 0                                       | 0  | 0             | 0             | 0          |
| 3 ~ 4          | 0.00            | 0         | 0                  | ٥          | 0  | 0           | 0              | 0                                       | 0  | 0             | 0             | 0          |
| 4 ~ 5          | 0.00            | 0         | . 0                | 0          | 0  | 0           | 0              | 0                                       | 0  | 0             | 0             | 0          |
| 21 ~ €         | 14.04           | 431       | 431                | 2          | 160  | 2           | 22             | ======================================= | 165  | <b>!</b>      | 20            | 431        |
| 6 ~ 7          | 3.71            | 114       | 545                | 0          | 0  |             | 0              | မှ                                      | 06   | က             | 24            | 114        |
| 2 ~ 8          | 4.10            | 126       | 671                | 0          | 0  |             | 52             | ಞ                                       | 45   | -             | 26            | 126        |
| <b>β</b> ,     | 5. 70           | 175       | 846                | 0          | 0  | ቻ           | 100            | S.                                      | 75   | 0             | 0             | 175        |
| $9 \sim 10$    | 8.76            | 569       | 1, 115             |            | 80   | 2           | 20             | വ                                       | 75   | ö             | 64            | 269        |
| $10 \sim 11$   | 8.40            | 258       | 1, 373             |            | 80   | 7           | 001            | 2                                       | 30   | 9             | 48            | 258        |
| $11 \sim 12$   | 4.07            | 125       | 1, 498             | 0          | 0  | 2           | 20             | 5                                       | 75   | 0             | 0             | 125        |
| Sub total      |                 | 1, 498    |                    | 4          | 320  | . 15        | 375            | 37                                      | 555  | 31            | 248           | 1, 498     |
| $12 \sim 13$   | 0.00            | 0         | 1, 498             | 0          | 0  | 0           | 0              | 0                                       | 0  | 0             | 0             | 0          |
| $13\sim14$     | 10.91           | 335       | 1, 833             | 2          | 160  | က           | 75             | 7                                       | 90   | ഹ             | 40            | 335        |
| $14 \sim 15$   | 3.62            | 111       | 1, 944             | 0          | 0  | -           | 52             | 27                                      | 30   | 2             | 92            | 111        |
| $15 \sim 16$   | 12.41           | 381       | 2, 325             | 0          | 0  | 9           | 150            | ර                                       | 135  | 12            | <b>9</b> 6    | 381        |
| $1.6 \sim 17$  | 12.15           | 373       | 2, 698             | ,,         | 08   | ស           | 125            | <b>∞</b>                                | 120  | 9             | 48            | 373        |
| $17 \sim 18$   | 9.02            | 27.2      | 2, 975             | 0          | 0  | ന           | 72             | 9                                       | 06   | 14            | 112           | 277        |
| $18 \sim 19$   | 3.09            | 25        | 3, 070             | 0          | 0  | <b>63</b>   | 20             | က                                       | 45   | 0             | 0             | 92         |
| $1.9\sim20$    | 0.00            | 0         | 0                  | 0          | 0  | 0           | 0              | 0                                       | 0  | 0             | <b>o</b>      | <b>0</b>   |
| $2.0 \sim 2.1$ | 0               | 0         | 0                  | 0          | 0  | 0           | 0              | 0                                       | 0  | 0             | 0             | •          |
| $21\sim22$     | 0               | 0         | 0                  | 0          | 0  | . 0         | 0              | 0                                       | 0  | 0             | 0             | 0          |
| $22 \sim 23$   | 0               | 0         | 0                  | 0          | 0  | 0           | 0              | 0                                       | 0  | Ö             | 0             | 0          |
| $23 \sim 24$   | 0               | 0         | 0                  | 0          | 0  | 0           | 0              | <b>0</b>                                | 0  | 0             | 0             | 0          |
| Sub total      |                 | 1, 572    |                    | က          | 240  | 02          | 200            | 32                                      | 480  | 44            | 352           | 1, 572     |
| TOTAL          |                 | 3, 070    |                    | 1          | 260  | 35          | 875            | 69                                      | 1, 035   | 75            | 009           | 3, 070     |
|                |                 |           |                    |            |  |             | •              |   |  |               |               |            |

|             |                |                             |                |   | TOTAL(Lit)         | 0    | 0          | 0   |      | 0      | 287           | 214  | 72   | ස    | <b>&amp;</b> | 178        | 55         | 924   | 114   | 194    | 179    | 421    | 412      | 231      | æ ·     | 0        | 0     | o (           | <b>&gt;</b> | 0       |        | 2, 558 |
|-------------|----------------|-----------------------------|----------------|---|--------------------|------|------------|-----|------|--------|---------------|------|------|------|--------------|------------|------------|-------|-------|--------|--------|--------|----------|----------|---------|----------|-------|---------------|-------------|---------|--------|--------|
| · .         |                | <b>∞</b>                    | (Volume 8Lit)  |   | Volume(4) T        | 0    | 0          | 0   | 0    |        | 32            | 54   | 32   | 0    | <b>&amp;</b> | 48         | 0          | 144   | 64    | 24     | 24     | 56     | 35       | 96<br>'  | ∞ .     | 0        | 0     | O :           | 0           | 0       | 264    | 408    |
|             |                |                             | £              | 10Lit Bucket(Volume(4))                         | Personnel          | 0    | 0          | 0   | 0    | 0      | 4             | 623  | 7    | 0    | ,            | 9          | 0          | 18    | 8     | က      | .ന     | _      | <b>*</b> | <b>-</b> | -       | 0        | 0     | 0             | 0           | 0       | 33     | 5]     |
|             |                | 15                          |                |   | Volume(3)          | 0    | 0          | 0   | 0    | 0      | 7.5           | 06   | 15   | 90   | 30           | 0          | 30         | 270   | 0     | 45     | 90     | 105    | 105      | 75       | 0       | <b>0</b> | 0     | 0             | 0           | 0       | 360    | 630    |
|             | each Village   |                             | ر<br>اند       | 30Lit Bucket(Volume{2}),20Lit Bucket(Volume{3}) | Personnel          | 0    | 0          | 0   | 0    | 0      | ïC            | 9    |      | 2    | 2            | 0          | 8          | 18    | 0     | က      | 63     | 7      | 1        | <b>د</b> | 0       | Ö        | 0     | 0             | 0           | 0       | 24     | 42     |
|             | .ume each      | 25                          | (Volume 25Lit) | et(Volume(2))                                   | Volume(2)          | 0    | 0          | 0   | 0    | 0      | 100           | 100  | 25   | 0    | යි           | 20         | 22         | 350   | 50    | 125    | 125    | 100    | 275      | 100      | 75      | :<br>0   | 0     | 0             | 0           | 0       | 850    | 1, 200 |
| <del></del> | Pumping Volume | 80                          | Lit)           | 30Lit Buck                                      | Personnel          | 0    | •          | 0   | 0    | 0      | 7             | 7    | -    | 0    | 2            | 2          |            | 14    | 2     | ທ      | S      | 4      | Ξ        | 7        | က       | 0        | 0     | 0             | 0           | 0       | 34     | 48     |
| Sheet1      | Result of Pu   | <b>~</b>                    | (Volume 60Lit) | n (Volume{1})                                   | 1 Volume(1)        | 0    | • •        | 0   | 0    |        | <b>∞</b>      | 0    | 0    | 0    | 0            | 98         | ; <b>o</b> | 160   | c     | 0      |        | 160    | 0        | 0        | 0       | <b>~</b> | 0     | 0             | 0           | 0       | 160    | 320    |
|             | Resu           |                             |                | Oil drum  | Personnel          | 0    |            |     | · c  | 0      |               |      | 0    | · c  | _            |            | · c        | 2     |       | • ==   | 0      | 2      | 0        | 0        | 0       | 0        | 0     | 0             | 0           | 0       | 2      | 4      |
|             |                |                             |                |   | Amount Supply(Lit) | 0    | • <b>•</b> | · · |      | · =    | 287           | 201  | 573  | 603  | 691          | 869        | 766        |       | 1 038 | 1, 232 | 1, 411 | 1, 832 | 2, 244   | 2, 475   | 2, 558  |          | 0     | 0             | •           | 0       |        |        |
|             |                | ٠.                          | (2)            |   | Volume(L)          | c    | . =        | · - | > <  | · -    | 287           | 214  | 7.62 | 2 8  | 3 8          | 3 2        | 2 5        | 766   | 11.1  | . P61  | 179    | 421    | 412      | 231      | 83      | C        |       | 0             | 0           |         | 1, 634 | 2, 558 |
|             |                | 27 Feb 1995)                | e B. Lak 21    |   | X of Times rate    | 0 00 | 0 0        | 900 | 00.0 | 00.0   | 11 99         | 8 37 |      | 10.7 | 3.44         | . 4<br>. 4 | 9.30       |       | 3V V  | 7 58   | 7.00   | 16.46  | 16. 11   | 9, 03    | 3. 24   | 00 0     | 86.0  | 0.00          | 00 0        | 60 0    |        |        |
|             |                | (Sampling date 27 Feb 1995) | Village name   |   | Pumming time       |      | · · · · ·  | 1 0 | ?    | )<br>} | ր դ<br>}<br>} | . ≀  | - œ  | o    | ,            | 10 ~ 11    | 11 ~ 19    | 1 404 | 23 4  | 12 7 1 | : ≀    |        | ` ≀      | 17 ~ 18  | 91 ~ 81 | 10 ~ 20  | 2 0 0 | $\frac{2}{2}$ | 86 ~ 66     | 93 ~ 94 | ub to1 |        |

|                                       |                |                |  | TOTAL(Lit)         | 0 | 0         | 0     | 0     | <del>0</del> , | 350    | 237            | 21    | 26           | 190         | 0            | 23           | 913       | 129   | 331          | 221          | 415          | 357     | 407          | 85           | 0           | 0            | 0            | 0            | 0            | 1, 925    | 2, 838 |
|---------------------------------------|----------------|----------------|--|--------------------|---|-----------|-------|-------|----------------|--------|----------------|-------|--------------|-------------|--------------|--------------|-----------|-------|--------------|--------------|--------------|---------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|-----------|--------|
|                                       | •              | (Volume 8Lit)  | Volume(4))                                     | Volume{4}          | 0 | 0         | 0     | 0     | 0              | 40     | 32             | 32    | 16           | 40          | 0            | ~            | 168       | 73    | 16           | 26           | 40           | 22      | 35           | 0            | 0           | 0            | 0            | 0            | 0            | 240       | 408    |
|                                       |                | t)             | 10Lit Bucket(Volume(4))                        | Personnel          | 0 | 0         | 0     | 0     | 0              | ഹ      | 4              | 7     | 2            | വ           | 0            |              | 21        | 3     | 2            | <u>-~1</u>   | ഹ            | රා      | 7            | 0            | 0           | 0            | 0            | <b>0</b>     | 0            | 30        | 51     |
|                                       | 15             | (Volume 15Lit) |  | Volume(3)          | 0 | 0         | 0     | 0     | 0              | 105    | 105            | 0     | 15           | 45          | 0            | 15           | 285       | 105   | 98           | <b>0</b> 6   | <u>6</u>     | 135     | 120          | 15           | 0           | 0            | 0            | 0            | 0            | 585       | 870    |
| Village                               | )              | t)             | 30Lit Bucket(Volume{2})20Lit Bucket(Volume(3)) | Personnel          | 0 | 0         | 0     | 0     | 0              | _      | . 1            | 0     |              | က           | 0            | 1            | 19        | 7     | 2            | 9            | g            | 6       | <b>∞</b>     | -            | 0           |              | 0            | 0            | 0            | 39        | 58     |
| ume each                              | 22             | (Volume 25Lit) | t(Yolume{2})                                   | Volume (2)         | 0 | . 0       | 0     | 0     | 0              | 125    | 100            | 52    | 52           | 52          | 0            | 0            | 300       | 0     | 125          | 75           | 125          | 150     | 175          | 20           | 0           | 0            | 0            | 0            | 0            | 700       | 1,000  |
| Result of Pumping Volume each Village | ,              | Lit)           |  | Personnel          | 0 | 0         | 0     | 0     | 0              | ß      | ঘ              | -     | _            | -           | 0            | 0            | 12        | 0     | ស            | က            | 2            | 9       | t-           | <b>2</b>     | 0           | 0            | 0            | :<br>0<br>:  | 0            | 28        | 40     |
| lt of Pur                             | . <b>0</b> 8   | (Volume 80Lit) | m (Volume(1))                                  | 1 Volume(1)        | 0 | <b>.</b>  | 0     | 0     | 0              | 08     | ,:<br><b>O</b> | 0     | 0            | 08          | <b>0</b>     | 0            | 160       | 0     | 160          | 0            | 160          | 0       | <b>&amp;</b> | 0            | 0           | 0            | :<br>•       | 0            | 0            | 400       | 290    |
| Resu                                  |                |                | Oil drum                                       | Personne.          | 0 | 0         | 0     | 0     | 0              | -      | 0              | 0     | 0            | 1           | 0            | 0            | 2         | 0     | ~            | Ô            | 2            | 0       | -            | 0            | 0           | 0            | 0            | 0            | 0            | വ         | 7      |
|                                       |                |                |  | Amount Supply(Lit) | 0 | 0         | 0     | 0     | 0              | 350    | 587            | 644   | 200          | 068         | 068          | 913          |           | 1,042 | 1, 373       | 1, 594       | 2,009        | 2, 366  | 2, 773       | 2, 838       | 0           | 0            | 0            | 0            | 0            |           |        |
|                                       | ·<br>(6        | (9)            |  | Volume(L)          | 0 | 0         | 0     | 0     | G              | 350    | 237            | 22    | 29           | 190         | 0            | - 23         | 913       | 129   | 331          | 221          | 415          | 357     | 407          | 65           | 0           | 0            | 0            | 0            | 0            | 1, 925    | 2, 838 |
|                                       | e 28 Feb 1995) | B. Lak         |  | % of Times rate    | ı | 0         | 0     | 0     | 0.00           | 12. 33 | 8.35           | 2.01  | 1.97         | 69.9        | 0.00         | 0.81         |           | 4.55  | 11.66        | 7.79         | 14.62        | 12. 58  | 14.34        | 2.29         | 0.00        | 0.00         | 0.00         | 0.00         | 0.00         |           |        |
|                                       | (Samoling date | Village name   |  | Pumping time       |   | $1\sim 2$ | 2 ~ 3 | 3 ~ 4 | 4 ~ 5          | 9 ~ €  | 6 ~ 7          | 2 ~ 8 | 6.<br>~<br>& | $9 \sim 10$ | $10 \sim 11$ | $11 \sim 12$ | Sub total |       | $13 \sim 14$ | $14 \sim 15$ | $15 \sim 16$ | 16 ~ 17 | $17 \sim 18$ | $18 \sim 19$ | $1.9\sim20$ | $20 \sim 21$ | $21 \sim 22$ | $22 \sim 23$ | $23 \sim 24$ | Sub total | TOTAL  |

Result of Pumping Volume each Water Containers

| (Sampling date 1 | ate 1 March 1995) |                 |                    |            | 70                   | )           | 25                      |            | 15                      |           | ∞                                 |            |
|------------------|-------------------|-----------------|--------------------|------------|----------------------|-------------|-------------------------|------------|-------------------------|-----------|-----------------------------------|------------|
| Village n        | ж.                | Samkhanboua (1) | (                  |            | (Volume 70Lit)       | £           | (Volume 25Lit)          | ŧ          | (Volume 15Lit)          | t)        | (Volume 8Lit)                     |            |
|                  |                   |                 |                    | Oil drum ( | 0il drum (Volume[1]) | 25Lit Bucke | 25Lit Bucket(Volume[2]) | 15Lit Buck | 15Lit Bucket(Volume[3]) |           | <pre>5Lit Bucket(Volume[4])</pre> |            |
| Pumping time     | % Of Times rate   | Volume(L)       | Amount Supply(Lit) | Personnel  | Volume[1]            | Personnel   | Volume[2]               | Personnel  | Volume[3]               | Personnel | Volume[4]                         | TOTAL(Lit) |
| $0\sim 1$        | 0                 | 0               | 0                  | 0          | 0                    | 0           | 0                       | 0          | 0                       | 0         | 0                                 | 0          |
| 1~2              | 0                 | 0               | 0                  | 0          | O                    | 0           | 0                       | 0          | 0                       | 0         | 0                                 | 0          |
| 2 ~ 3            | 0                 | 0               | 0                  | 0          | 0                    | 0           | 0                       | 0          | 0                       | 0         | 0                                 | 0          |
| 3 ~ 4            | 0                 | 0               | 0                  | 0          | 0                    | 0           | 0                       | 0          | 0                       | 0         | 0                                 | 0          |
| 4 ~ 5            | 3.47              | 210             | 210                | 0          | 0                    | 9           | 150                     | Þ          | 90                      | 0         | 0 .                               | 210        |
| .2<br>.2<br>.2   | 7.84              | 475             | 685                | 0          | O                    | 19          | 475                     | 0          | 0                       | 0         | 0                                 | 475        |
| 7 ~ 9            | 9.41              | 570             | 1, 255             |            | 02                   | 17          | 425                     | ស          | 75                      | 0         | 0                                 | 220        |
| 7 ~ 8            | 4.54              | 275             | 1, 530             | 0          | 0                    | 1           | 275                     | 0          | 0                       | 0         | 0                                 | 275        |
| 6 ~ ⊗            | 7. 68             | 465             | 1, 995             | 0          | 0                    | 15          | 375                     | 9          | 86                      | 0         | 0                                 | 465        |
| 9 ~ 10           | 0.91              | 55              | 2, 050             | 0          | 0                    |             | 52                      | 7          | 30                      | 0         | 0                                 | 55         |
| $10 \sim 11$     | 3.86              | 234             | 2, 284             | 0          | 0                    | 9           | 150                     | Þ          | 09                      | 60        | 54                                | 234        |
| $11 \sim 12$     | 5.66              | 343             | 2, 627             | 0          | 0                    | 4           | 100                     | 13         | 195                     | 9         | 48                                | 343        |
| Sub total        |                   | 2, 627          |                    | 1          | 70                   | 79          | 1, 975                  | 34         | 510                     | 6         | 72                                | 2, 627     |
| $12 \sim 13$     | 2.15              | 130             | 2, 757             | 0          | 0                    | 1           | 25                      | 7          | 105                     | 0         | 0                                 | 130        |
| $13 \sim 14$     | 1.77              | 107             | 2, 864             | 0          | 0                    | 0           | 0                       | വ          | 75                      | 7         | 35                                | 107        |
| $14 \sim 15$     | 5. <b>6</b> 3     | 341             | 3, 205             | 0          | 0                    | 7           | 175                     | 10         | 150                     | 2         | 16                                | 341        |
| $15 \sim 16$     | 6.11              | 370             | 3, 575             | 0          | 0                    | 9           | 150                     | 12         | 180                     | ഹ         | 40                                | 370        |
| $16 \sim 17$     | 12.02             | 728             | 4, 303             |            | 70                   | 19          | 475                     | ග          | 135                     | 9         | 48                                | 728        |
| $17 \sim 18$     | 8.67              | 525             | 4, 828             | 0          | 0                    | <b>8</b> 2  | 450                     | гo         | 75                      | 0         | 0                                 | 525        |
| $18 \sim 19$     | 9.99              | 605             | 5, 433             | 0          | 0                    | []3         | 325                     | . 16       | 240                     | ιΩ        | 40                                | 605        |
| $19 \sim 20$     | 10.32             | 625             | 6, 058             | 0          | 0                    | 19          | 475                     | 10         | 150                     | 0         |                                   | 625        |
| $20 \sim 21$     | 0                 | 0               | 0                  | 0          | 0                    | 0           | 0                       | 0          | 0                       | 0         | 0                                 | 0          |
| $21\sim22$       | 0                 | 0               | 0                  | 0          | 0                    | 0           | 0                       | 0          | 0                       | <b>o</b>  | O                                 | 0          |
| $22 \sim 23$     | 0                 | 0               | 0                  | 0          | 0                    | 0           | 0                       | 0          | O                       | 0         | 0                                 | 0          |
| $23 \sim 24$     | 0                 | 0               | 0                  | 0          | 0                    | 0           | 0                       | 0          | 0                       | 0         | 0                                 | 0          |
| Sub total        |                   | 3, 431          |                    |            | 20                   | 83          | 2, 075                  | 74         | 1, 110                  | 22        | 176                               | 3, 431     |
| TOTAL            |                   | 6, 058          |                    | 2          | 140                  | 162         | 4,050                   | 108        | 1, 620                  | 31        | 248                               | 6, 058     |
|                  |                   |                 |                    |            |                      |             |                         |            |                         |           |                                   |            |

|                         |                              |                |                    | Result    | t of Pump            | ing Volu    | Result of Pumping Volume each Water | Water Co   | Containers             |              |                        |
|-------------------------|------------------------------|----------------|--------------------|-----------|----------------------|-------------|-------------------------------------|------------|------------------------|--------------|------------------------|
| (Sampling d             | (Samuling date 9 Narch 1995) | G              |                    | • •       | 02                   |             | 25                                  | ٠.,        | . 15                   |              | ∞                      |
| Village n               | name R Samkh                 | Samkhanboua (2 |                    |           | (Volume 70Lit)       | (‡)         | (Volume 25Lit)                      | ÷          | (Volume 15Lit)         | $\widehat{}$ | (Volume &Lit           |
| 2                       | 1                            |                | 1                  | Oil drum  | Oil drum (Volume[1]) | 25Lit Bucke | 25Lit Bucket(Volume[2])             |            | 15Lit Bucket(Volume[3] | 5Lit Bucke   | 5Lit Bucket(Volume[4]) |
| Pumming time            | K Of Times rate              | Volume(L)      | Amount Supply(Lit) | Personnel | Yolume[1]            | Personnel   | Volume[2]                           | Personnel  | Volume[3]              | Personnel    | Volume[4]              |
|                         | 0                            | C              |                    | 0         | 0                    | 0           | 0                                   | 0          | 0                      | 0            | 0                      |
| ·                       | <b>-</b>                     | > C            | · C                | 0         | 0                    | 0           | 0                                   | 0          | 0                      | 0            | 0                      |
| 1 m                     | > C                          | · c            | ) C                | 0         | 0                    | 0           | 0                                   | 0          | 0                      | 0            | 0                      |
| ) d<br>}                | > C                          | · -            | · C                | 0         | 0                    | 0           | 0                                   | 0          | 0                      | •            | 0                      |
| > 4<br>~                | 10 83                        | 009            | 009                | 0         | 0                    | 12          | 300                                 | 20         | 300                    | 0            | 0                      |
| . r.<br>                | 11 95                        | 999            | 1, 262             | 0         | 0                    | 12          | 300                                 | 73         | 330                    | 4            | 32                     |
| , <sub>}</sub><br>}     | 9.53                         | 140            | 1.402              | 0         | 0                    | 2           | 20                                  | 9          | 98                     | 0            | 0                      |
| ~ ~ ~                   | 9 17                         | 120            | 1, 522             | 0         |                      | က           | 75                                  | က          | 45                     | 0            | 0                      |
| > σ<br>- «              | - 23                         | 101            | 1.623              | 0         | . 0                  |             | 52                                  | 4          | 90                     | 2            | 16                     |
| ) [ ~ B                 | <br>                         | 377            | 2, 000             | 0         | 0                    | 6           | 225                                 | ∞          | 120                    | 7            | 35                     |
| ~ ~ ~                   | 5 34                         | 296            | 2, 296             | 0         | 0                    | 9           | 150                                 | 9          | 06                     | ·<br>-       | 26                     |
| 11 ~ 12                 | → ¬                          | 250            | 2.546              | 0         | 0                    | 4           | 100                                 | 10         | 150                    | 0            | 0                      |
| ء ا ء                   |                              | 2.546          |                    | 0         | 0                    | 49          | 1, 225                              | 79         | 1, 185                 | 17           | 136                    |
|                         | 5 29                         | 293            | 2, 839             | 0         | 0                    | 6           | 225                                 | 4          | 09                     | 1            | ∞                      |
| ~<br>                   | 3 43                         | 190            | 3.029              | 0         | 0                    | 4           | 100                                 | . <b>ග</b> | 06                     | 0            | 0                      |
| 1 4 ~                   | 7.31                         | 405            | 3, 434             | . 0       | 0                    | 9           | 150                                 | 11         | 522                    | 0            | 0                      |
| 15 ~ 16                 | 9, 55                        | 529            |                    | 0         | 0                    | 01          | 250                                 | 11         | 255                    | က            | 24                     |
| $16 \sim 17$            | 6.19                         | 343            | 4, 306             | 0         | 0                    | <b>∞</b>    | 200                                 | 6          | 135                    | _            | œ                      |
| $17 \sim 18$            | 14.62                        | 810            | 5, 116             | 0         | 0                    | 21          | 525                                 | 19         | 285                    | 0            | 0                      |
| $18 \sim 19$            | 2.94                         | 163            | 5, 279             | _         | 20                   |             | 22                                  | 4          | 09                     | -            | ∞<br>o                 |
| $\frac{19}{19} \sim 20$ |                              | 263            |                    | . 0       | 0                    | 9           | 150                                 | <b>-</b>   | 105                    | Т,           | ∞                      |
| )                       | · ·                          | )              |                    |           |                      | •           | •                                   | •          | <                      |              | <                      |

0 600 662 140 120 101 377 296 250 250 293 190 405 529 343 810 163 263 0

192

000

0 1, 245

0

0 2 2

966

Sub total

0000

æ 29

|  |  |                         |                      | :          |           |       |   |       |            |        |                |          |             |              |              |           |             |             |            |        |        |          |           |        |              |            |         |        |           |        |   |
|--|--|-------------------------|----------------------|------------|-----------|-------|---|-------|------------|--------|----------------|----------|-------------|--------------|--------------|-----------|-------------|-------------|------------|--------|--------|----------|-----------|--------|--------------|------------|---------|--------|-----------|--------|---|
|  | ;;<br>( <del>1</del> )                                 |                         | TOTAL(Lit)           | 0          | 0         | 0     | 0 | 480   | 356        | 340    | 519            | 490      | 385         | 181          | 679          | 3, 430    | 123         | 210         | 520        | 559    | 942    | 150      | 301       | 225    | 0            | 0          | 0       | 0      | 3, 030    | 6, 460 |   |
| œ  | (Volume 8Lit)  | e.                      | Yolu                 | 0          | Ö         | 0     | 0 | 0     | 99         | 40     | 54             | <b>o</b> | 0           | 16           | 54           | 160       | <b>∞</b>    | 0           | 0          | 24     | 35     | <b>O</b> | 91 .      | 0      | 0            | 0          | 0       | 0      | 08        | 240    | ÷ |
| S  | j<br>jt)   |                         | Personnel            | 0          | 0         | 0     | 0 | 0     | <b>r</b> - | S      | ണ <sup>്</sup> | 0        | <u> </u>    | 2            | 3            | 50        |             | 0           | 0          | က      | 4      | 0        | 2         | 0      | 0.           | 0          | 0       | 0      | 10        | 30     |   |
| Result of Pumping Volume each Water Containers | IO<br>(Volume 15Lit)                                   | 15Lit Bucket(Volume[3]] | Nolume[3]            | 0          | 0         | 0     | 0 | 180   | 150        | 150    | 270            | 315      | 210         | 06           | 255          | 1,620     | <b>6</b>    | 135         | 270        | 282    | 435    | 12       | 06        | 75     | 0            | 0          | 0       | 0      | 1, 455    | 3, 075 |   |
| th Mater (                                     | 23<br>35Lit)   |                         | [] Personnel         | 0          | 0         | 0     | 0 | 12    | . 10       | 10     | 18             | 21       | 14          | 9            | 17           | 108       | 9           | <b>ර</b> ා  | <b>8</b> 1 | 19     | 68     | 2        | မှ        | C      | 0            | 0          | 0       | 0      | 97        | 202    |   |
| olume eac                                      | 23<br>(Volume 25Lit)                                   | 25Lit Bucket(Volume[2]) | el Volume[2]         | 0          | 0         | 0     | 0 | 300   | 150        | 150    | 225            | 175      | 175         | 75           | 400          | 1,650     | 25          | 75          | 250        | 250    | 475    | 75       | 125       | 150    | 0            | 0          | 0       | 0      | 1, 425    | 3, 075 |   |
| Jumping V                                      | (Volume 70Lit)   |                         | [1] Personnel        | 0          | 0         | 0     | 0 | 12    | 9          | 9      | 6              | -        | 7           | က            | 16           | 99        | 1           | က           | 10         | 10     | 19     | င        | S.        | 9      | 0            | 0          | 0       | 0      | 27        | 123    |   |
| sult of 1                                      | (Volume  | drum (Volume[1])        | onnel Volume[1]      | 0          | 0 0       | 0 0   | 0 | 0     | 0 0        | 0 0    | 0              | 0        | 0 0         | 0 0          | 0 0          | 0 0       | 0           | 0 0         | 0 0        | 0      | 0      | 0        | 1 70      | 0 0    | 0 0          | 0 0        | 0       | 0 0    | 1 70      | 1 70   |   |
| Re   |  | 0il dru                 | Supply(Lit) Personne |            |           |       |   |       |            |        |                | ·        |             |              |              |           |             |             | 3          |        | . :    |          |           |        |              |            |         |        |           |        |   |
|  |  |                         | Amount Suppl         | 0          | 0         | 0     | 0 | 480   | 836        | 1, 176 | 1, 695         | 2, 185   | 2, 570      | 2, 751       | 3, 430       |           | 3, 553      | 3, 763      | 4, 283     | 4,842  | 5, 784 | 5, 934   | 6, 235    | 6, 460 | 0            | 0          | 0       | 0      |           |        |   |
| ,  | ch 1995)<br>Samkhanboua (3)                            |                         | Volume(L)            | 0          | 0         | 0     | 0 | 480   | 356        | 340    | 519            | 490      | 385         | 181          | 629          | 3, 430    | 123         | 210         | 520        | 559    | 942    | 150      | 301       | 225    | 0            | 0          | 0       | 0      | 3, 030    | 6, 460 |   |
| 7001   | 3 March 1995<br>B. Samkh                               |                         | f Times rate         | 0          | 0         | 0     |   | 7.43  | 5.51       | 5.26   | 8. 03          | 7.59     | 5.96        | 2.80         | 10.51        |           | 1.90        | 3.25        | 8.05       | 8.65   | 14.58  | 2.32     | 4.66      | 3.48   | 0            | 0          | 0       | 0      |           |        |   |
|  | (Sampling date 3 March 1995)<br>Village name B. Samkha |                         | Pumping time % Of    | $0 \sim 1$ | $1\sim 2$ | ~ ~ 3 |   | 4 ~ 5 | 2 ~ 6      | 2 ~ 9  | 2 ~ 8          | 6 ~ 8    | $9 \sim 10$ | $10 \sim 11$ | $11 \sim 12$ | Sub total | $2 \sim 13$ | $3 \sim 14$ | 4 ~ 15     | 5 ~ 16 | 5 ~ 17 | 7 ~ 18   | $3\sim19$ | 9 ~ 20 | $0 \sim 2.1$ | $1\sim 22$ | 2 ~ 2.3 | 3 ~ 24 | Sub total | TOTAL  |   |

|                                       |                 |                    | Result of      | Result of Pumping Volume each Water Containers | ume each                | Mater Con              | tainers        |             | -             |            |
|---------------------------------------|-----------------|--------------------|----------------|--|-------------------------|------------------------|----------------|-------------|---------------|------------|
| (Commisse date / March 1005)          |                 |                    |                | 70   | 25                      |                        | 15             | •           | <b>∞</b>      |            |
| ,<br>2                                | Samkhanboua (4) |                    | (Vol)          | (Volume 70Lit)                                 | (Volume 25Lit)          |                        | (Volume 15Lit) | 5           | (Volume 8Lit) |            |
| •                                     |                 |                    | Oil drum (Volu | (Volume[1]) 25Lit Buck                         | 25Lit Bucket(Volume[2]) | 15Lit Bucket(Volume[3] |                | t Bucket(   | $\widehat{}$  | ٠          |
| Braning time % Of Times rate          | Volume(L)       | Amount Supply(Lit) | Personnel Vol  | Volume[1]   Personnel                          | Volume[2]               | Personnel              | Volume[3] Pers | Personnel 1 | Volume[4] T   | TOTAL(Lit) |
| 1                                     | _               | U                  | 0              | 0 0  | 0                       | 0                      | 0              | 0           | 0             | . 0        |
| • • ~                                 | <b>,</b> 0      | • •                | 0              | 0 0  | 0                       | 0                      | 0              | 0           | 0             | 0          |
| ) o                                   | <b>,</b> c      | · ·                | . 0            | 0  | 0                       | 0                      | 0              | 0           | 0             | 0          |
| 2 ~ 4                                 | > %             | , 52<br>52         | 0              | 0 1  | 22                      | 0                      | 0              | 0           | 0             | 52         |
| 4 ~ 5                                 | 685             | 710                | 0              | 0 22   | 550                     | တာ                     | 135            | 0           | 0             | 685        |
|                                       | 453             | 1, 163             | 0              | 0 13   | 325                     | 80                     | 120            | _           | ∞             | 453        |
| , ~                                   | 375             | 1, 538             | 0              | 6 0  | 225                     | 10                     | 150            | 0           | 0             | 375        |
| ~ «<br>}                              | 484             | 2, 022             | 0              | 1 0  | 175                     | 13                     | 285            | က           | 24            | 484        |
|                                       | 243             | 2, 265             | 0              | 0 4  | 100                     | 5                      | 135            |             | ∞             | 243        |
| - oc                                  | 480             | 2, 745             | 0              | 0 12   | 300                     | 12                     | 180            | 0           | 0             | 480        |
| ~ 11                                  | 236             | 2, 981             | 0.             | 0 4  | 100                     | <b>&amp;</b>           | 120            | 2           | 92            | 236        |
| ~ 1.2                                 | 201             | 3, 182             | 0              | 0 2  | 50                      | 6                      | 135            | 2           | 16            | 201        |
| Sub-total                             | 3 182           | 1                  | 0              | 0 74   | 1, 850                  | 84                     | 1, 260         | 6           | 72            | 3, 182     |
| 1.9 ~ 1.3 7.06                        | 443             | 3.625              | 0              | 0 5  | 125                     | 18                     | 270            | 9           | 48            | 443        |
| · · · · · · · · · · · · · · · · · · · | 375             | 4,000              | -              | 70 8   | 200                     | -                      | 105            | 0           | 0             | 375        |
| r 167<br>                             | 212             | 4.215              | . 0            | 0 5  | 125                     | <b>99</b>              | 06             | 0           | 0             | 215        |
|                                       | 330             | 4,545              | 0              | 0 3  | 75                      | 17                     | 255            | 0           | 0             | 330        |
| ` ~                                   | 386             | 4, 931             | 0              | 0 4  | 100                     | 18                     | 270            | 2           | 16            | 386        |
| ~ 18                                  | 363             | 5, 294             | 0              | 0 10   | 250                     | <b>~</b>               | 105            |             | <b>∞</b>      | 363        |
| $18 \sim 19$ 3.95                     | 220             | 5,514              | 0              |  | 175                     | က                      | 45             | 0           | -             | 220        |
| <u></u>                               | 20              | 5, 564             | 0              | 0 2  | 50                      | 0                      | 0              | ó           | <b>-</b>      | G (        |
| $20 \sim 21$                          | <b>\$</b>       | 0                  | 0              | 0 0  | 0                       | 0                      | 0              | <b>\$</b>   | 0             | <b>-</b>   |
| $21 \sim 22 \qquad 0$                 | 0               | 0                  | 0              | 0  | 0                       |                        | 0              | 0           | 0             | O          |
| $22 \sim 23$                          | 0               | 0                  | 0              | 0 0  | 0                       | 0                      | 0              | 0           | 0             | o ;        |
| 3 ~ 24                                | 0               | 0                  | 0              | 0 0  | 0                       | 0                      | O              | 0           | 0             |            |
| Sub total                             | 2, 382          |                    | <b>,</b>       | 70 44  | 1, 100                  | 9.2                    | 1, 140         | 6           | 72            | 2, 382     |
| TOTAL                                 | 5, 564          |                    | 1              | 70 118   | 2, 950                  | 160                    | 2, 400         | 18          | 144           | 5, 564     |
|                                       |                 |                    |                |  |                         |                        |                |             |               |            |

|                |                              |                 |                    | Result     | Result of Pumping Volume each Water Containers | ing Volu    | me each                 | Water Co     | ntainers               |                |                        |            |
|----------------|------------------------------|-----------------|--------------------|------------|--|-------------|-------------------------|--------------|------------------------|----------------|------------------------|------------|
| (Sampling c    | (Sampling date 5 March 1995) | ·(c)            |                    | -          | 92   | , -<br>I    | 25                      |              | 15                     |                | ်တ                     |            |
| Village name   | æ                            | Samkhanboua (5) |                    |            | (Volume 70Lit)                                 | <b>a</b>    | (Volume 25Lit)          | t)           | (Volume 15Lit)         | <del>t</del> ) | (Volume 8Lit)          | t          |
|                |                              |                 |                    | Oil drum ( | (Volume[1]) 2                                  | 25Lit Bucke | 25Lit Bucket(Volume[2]) | 15Lit Bucke  | 15Lit'Bucket(Volume[3] | 5Lit Bucke     | 5Lit Bucket(Volume[4]) |            |
| Pumping time   | e N Of Times rate            | Volume(L)       | Amount Supply(Lit) | Personnel  | Volume[1]                                      | Personnel   | Volume[2]               | Personnel    | Volume[3]              | Personne1      | Volume[4]              | TOTAL(Lit) |
| $0 \sim 1$     | 0.00                         | 0               | 0                  | 0          | 0  | 0           | 0                       | 0            | 0                      | 0              | 0                      | 0          |
| $1 \sim 2$     | 0.00                         |                 | 0                  | 0          | 0  | 0           | 0                       | 0            | 0                      | 0              | 0                      | 0          |
| 2 ~ 3          |                              | 0               | 0                  | 0          | 0  | 0           | 0                       | 0            | 0                      | 0              | 0                      | 0          |
| 3 ~ 4          | 0.00                         | 0               | 0                  | 0          | 0  | 0           | 0                       | 0            | 0                      | 0              | 0                      | 0          |
| 4~5            | 7.01                         | 430             | 430                | 0          | 0  | 01          | 250                     | 13           | 180                    | 0              | <u> </u>               | 430        |
| .5<br>∼ 5      | 4.56                         | 280             | 710                | 0          | 0  | 4           | 100                     | 12           | 180                    | 0              | 0                      | 280        |
| L ~ 9          | 4.99                         | 306             | 1, 016             | 0          | 0  |             | 125                     | ==           | 165                    | 23             | 91                     | 306        |
| 7 ~ 8          | 6.93                         | 425             | 1, 441             | 0          | 0  | 10          | 520                     | တ            | 135                    | ന              | 40                     | 425        |
| 6 ~ 8          | 6. 19                        | 380             | 1,821              | _          | 70   | 10          | 220                     | 4            | 09                     | 0              | 0                      | 380        |
| 9 ~ 10         | 3.33                         | 504             | 2, 025             | 0          | 0  | <b>ෆ</b> ා  | 75                      |              | 105                    | က              | 24                     | 204        |
| $1.0 \sim 1.1$ |                              | 308             | 2, 333             | 0          | 0  | ın          | 125                     | <sub>G</sub> | 135                    | 9              | 48                     | 308        |
| $11 \sim 12$   | 7. 22                        | 443             | 2, 776             | 0          | 0  | 9           | 150                     | 19           | 285                    | 1              | <b>∞</b>               | 443        |
| Sub total      |                              | 2, 776          |                    | Į          | 7.0  | 53          | 1, 325                  | 83           | 1, 245                 | 17             | 136                    | 2, 776     |
| $12 \sim 13$   | 4.08                         | 250             | 3, 026             | 0          | 0  | 4           | 100                     | 10           | 150                    | 0              | 0                      | 250        |
| $13 \sim 14$   | 4. 76                        | 262             | 3, 318             | 0          | 0  | ເດ          | 125                     | 6            | 135                    | Þ.             | 35                     | 292        |
| 14 ~ 15        | 9                            | 373             | 3, 691             | 0          | 0  | ις          | 125                     | 16           | 240                    |                | ∞                      | 373        |
| $15 \sim 16$   |                              | 731             | 4, 422             | 0          | 0  | 22          | 550                     | =            | 165                    | <b>~3</b>      | 91                     | 731        |
| 16 ~ 17        | 9.13                         | 260             | 4, 982             | 0          | 0  | ∞           | 200                     | 54           | 360                    | 0              | 0                      | 260        |
| $17 \sim 18$   | 8.35                         | 512             | 5, 494             | 0          | 0  | တ           | 225                     | 17           | 255                    | <b>*</b>       | 32                     | 512        |
| $1.8 \sim 1.9$ |                              | 385             | 5,879              | 0          | 0  | 91          | 520                     | 6            | 135                    | 0              | 0                      | 385        |
| $1.9 \sim 20$  | 4.16                         | 255             | 6, 134             | 0          | 0  | 5           | 225                     | 2            | 30                     | 0              | 0                      | 255        |
| $20 \sim 21$   | 0.00                         | . 0             | 0                  | 0          | 0  | 0           | 0                       | •            | <del>*</del>           | 0              | 0                      | 0          |
| $21 \sim 22$   | 0.00                         | 0               | 0                  | 0          | 0  | 0           | 0                       | 0            | . <del></del> .        | 0              | O                      | 0          |
| $22 \sim 23$   | 0.00                         | 0               | 0                  | 0          | 0  | 0           | 0                       | 0            | 0                      | 0              | 0                      | 0          |
| $23 \sim 24$   | 0.00                         | 0               | 0                  | 0          | •  | 0           | 0                       | 0            | 0                      |                | •<br>•                 | 0          |
| Sub total      |                              | 3, 358          |                    | 0          | 0  | 72          | 1,800                   | 86           | 1, 470                 | =              | 88                     | 3, 358     |
| TOTAL          |                              | 6, 134          |                    | 1          | 20   | 125         | 3, 125                  | 181          | 2, 715                 | 28             | 224                    | 6, 134     |
|                |                              |                 |                    |            |  |             |                         | ;            |                        |                |                        |            |

|   | 0<br>0<br>0<br>335<br>288<br>375<br>492<br>297<br>498<br>578<br>312<br>3,175<br>425<br>425<br>289<br>401   | 511<br>730<br>450<br>330<br>0<br>0<br>0<br>0<br>0<br>3, 413<br>6, 588  |
|---|--|--|
| 8 (Wolume 8Lit)   | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  | 56<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  |
|   | 0  | 7<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   |
| ater Containers 15 ) (Volume 15Lit) 15Lit Bucket(Volume[3]  | 0<br>0<br>0<br>0<br>60<br>105<br>90<br>210<br>180<br>120<br>180<br>180<br>165<br>165<br>165  | 255<br>330<br>150<br>30<br>0<br>0<br>0<br>0<br>0<br>1, 425<br>2, 460   |
| Water Co<br>t)<br>15Lit Buck  | 0<br>0<br>0<br>4<br>4<br>7<br>7<br>7<br>8<br>8<br>8<br>8<br>11<br>11<br>11<br>11<br>11<br>11<br>11<br>11<br>11<br>11<br>1  | 17<br>22<br>10<br>2<br>0<br>0<br>0<br>0<br>95<br>164   |
| ing Volume each W. 25<br>t) (Volume 25Lit)  | 0<br>0<br>0<br>275<br>175<br>175<br>175<br>200<br>450<br>1,800<br>1,800<br>175<br>125  | 200<br>400<br>300<br>300<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>3,550   |
| Shet1  Cof Pumping Volume each Water Containers  (Volume 70Lit) (Volume 25Lit) (Volume 15Lit) (Volume[2]) 15Lit Bucket(Volume[3]) | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  | 12<br>12<br>12<br>0<br>0<br>0<br>0<br>0<br>0<br>142  |
| Sheetl Sheetl t of Pumpir (Volume 70Lit) (Volume[1]) 25   | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  | 000000000000000000000000000000000000000  |
| Result 011 drum   | 000000000000000000000000000000000000000  | ,000000  |
|   | 0<br>0<br>0<br>335<br>623<br>998<br>1, 490<br>1, 787<br>2, 285<br>2, 863<br>3, 175<br>3, 600<br>3, 889<br>4, 290<br>4, 290   | 6, 588<br>6, 588<br>6, 588<br>0<br>0<br>0  |
| nboua (6)   | 0<br>0<br>0<br>335<br>288<br>375<br>492<br>297<br>492<br>297<br>498<br>578<br>312<br>3,175<br>425<br>289<br>401  | 511<br>730<br>450<br>330<br>0<br>0<br>0<br>0<br>0<br>3,413<br>6,588  |
| March 1995)  B. Samkhanboua   | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  | 4. 27<br>7. 76<br>6. 33<br>6. 93<br>0. 00<br>0. 00<br>0. 00<br>0. 00   |
| (Sampling date 6 March 1995)  | $10 \sim 1$ $11 \sim 12$ $10 \sim 1$ $11 \sim 12$ | 1.5 $\sim$ 1.6<br>1.6 $\sim$ 1.7<br>1.7 $\sim$ 1.8<br>1.8 $\sim$ 1.9<br>1.9 $\sim$ 2.0<br>2.0 $\sim$ 2.1<br>2.1 $\sim$ 2.2<br>2.2 $\sim$ 2.3<br>2.2 $\sim$ 2.4<br>Sub total<br>TOTAL |

|  | : .<br>:       |                    |                      | 0              |                         |                                      |             | 440                       |                        |               |            | · . |
|--|----------------|--------------------|----------------------|----------------|-------------------------|--------------------------------------|-------------|---------------------------|------------------------|---------------|------------|-----|
|  |                |                    | S                    | Sheet1         |                         | . •                                  |             |                           |                        |               |            |     |
|  |                |                    |                      |                |                         |                                      |             |                           |                        |               |            |     |
|  |                |                    |                      |                | :                       |                                      |             |                           |                        |               |            |     |
|  |                |                    | Result of            | Pumping        | Volume                  | Pumping Volume each Water Containers | ter Con     | tainers                   |                        |               |            |     |
| (Sampling date 7 March 1995)               | 15)            |                    |                      | 02             |                         | 52                                   |             | 15                        |                        | <b>∞</b>      | -          |     |
| Village name B. Samkl                      | Sankhanboua (7 | (2)                | (Vol:                | (Volume 70Lit) | (70)                    | (Volume 25Lit)                       | Š           | •                         | •                      | (Volume 8Lit) | ^          |     |
|  |                |                    | Oil drum (Volume[1]) | •              | 25Lit Bucket(Volume[2]) |                                      | Lit Bucket  | 15Lit Bucket(Volume[3], 5 | 5Lit Bucket(Volume[4]) | -             | ,          |     |
| Pumping time % Of Times rate               | Volume(L)      | Amount Supply(Lit) | Personnel Vol        | /olume[1] Pers | Personnel Vo.           | Volume[2] Per                        | Personnel V | Volume[3] Pe              | Personnel              | Volume[4]     | TOTAL(Lit) |     |
| -  | 0              | 0                  | 0                    | 0              | 0.1                     | 0                                    | 0           | 0                         | 0                      | 0             | 0          |     |
| 1 ~ 2 0                                    | 0              | 0                  | 0                    | 0              | . 0                     | 0                                    | 0           |                           | 0                      | <b>-</b>      | 0          | 12  |
| $2\sim 3$ 0                                | 0              | 0                  | 0                    | 0              | . 0                     | 0                                    | 0           | 0                         | 0                      | 0             | 0          |     |
| 3 ~ 4 0                                    | 0              | 0                  | 0                    | 0              | 0                       | 0                                    | 0           | 0                         | 0                      | <u></u>       | 0          |     |
| $4 \sim 5$ 10.16                           | 902            | 200                | 1                    | 7.0            | 16                      | 400                                  | 12          | 180                       | <u>-</u>               | 56            | 206        |     |
| $5 \sim 6$ 7.61                            | 529            | 1, 235             | 0                    | 0              | . 01                    | 250                                  | 17          | 255                       | က                      | 24            | 529        |     |
| 6 ~ 7 5.34                                 | 37.1           | 1, 606             | -                    | 20             | 2                       | 20                                   | <u></u>     | 195                       | <u>-</u>               | 56            | 371        |     |
| 7 ~ 8 8 . 65                               | 601            | 2, 207             | , .<br>,             | 70             | 10                      | 250                                  | 15          | 225                       | t-                     | 26            | 601        |     |
| 8 ~ 9 6.82                                 | 474            | 2, 681             | 0                    | 0              | Ξ                       | 275                                  | 6           | 135                       | <b>∞</b>               | 64            | 474        |     |
| $9 \sim 10$ 5.07                           | 352            | 3, 033             | 0                    | 0              | 2                       | 125                                  | 13          | 195                       | ব                      | 35            | 352        | :   |
| $1.0 \sim 1.1$ 5.48                        | 381            | 3,414              | 0                    | 0              | 11                      | 275                                  | 9           | 06                        | 7                      | 92            | 381        |     |
| $ 11 \sim 12 $ 3.51                        | 244            | 3, 658             | 0                    | 0              |                         | 25                                   | 13          | 195                       | 3                      | 24            | 244        |     |
| Sub total                                  | 3,658          |                    | က                    | 210            | 99                      | 1, 650                               | 86          | 1, 470                    | 41                     | 328           | 3, 658     | e . |
| $1.2 \sim 1.3$ 5.24                        | 364            | 4, 022             | 0                    | 0              | 7                       | 175                                  | =           | 165                       | က                      | 22            | 364        |     |
| $13 \sim 14$ 4.49                          | 312            | 4, 334             | 0                    | 0              | 4                       | 100                                  | 12          | 180                       | <del></del>            | 32            | 312        |     |
| $14 \sim 15$ 6.02                          | 418            | 4, 752             | -<br>-(              |                | 10                      | 250                                  | <b>∞</b> ;  | 120                       | ۰ م                    | 80 c          | 418        |     |
| $15 \sim 16 \qquad 6.81$                   | 473            | 5, 225             | Э.                   |                | ∞ <u>'</u>              | 002                                  | 23 :        | 195                       | <b>→</b> , t           | ာ<br>တောင်    | 4/3        |     |
| <u>ර</u> ි                                 | 188            | 5, 906             | <b>o</b> (           | 0 (            | <u>.</u>                | 4(5                                  | 2 :         | 150<br>161                | ~ · c                  | ê 8           | 100        |     |
| $1.7 \sim 1.8 \qquad 7.40$                 | 514            | 6, 420             |                      | · ·            | 13                      | 323<br>175                           | 7 7         | 910                       |                        | ₹ ⊂           | 385        | -   |
| $1 \propto 1 \sim 0.04$                    | 300            | 0, 000<br>c 040    | <b>-</b>             | > <            | - ¢1                    | 7.<br>7.                             | . T         | £15                       | ·<br>> <del>,</del>    | Document      | 143        |     |
| 00.7 0 × 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 140            |                    | > <b>c</b>           |                | • C                     | ? ⊂                                  | · c         | } <b>c</b>                | · C                    | , c           | 0          |     |
| 2 2 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0    | · ·            | ) C                | , c                  | 0              |                         | . 0                                  | 0           | 0                         | 0                      | . 0           | 0          |     |
| . 2<br>. ~<br>. 2                          |                | 0                  | 0                    | 0              | 0                       | 0                                    | 0           | 0                         | 0                      | 0             | 0          |     |
|  | 0              | 0                  | 0                    | 0              | 0                       | 0                                    | 0           | 0                         | 0                      | 0             | 0          |     |
| Sub total                                  | 3, 290         |                    | <b>(</b>             | . 02           | 7.1                     | 1, 775                               | 83          | 1, 245                    | 25                     | 200           | 3, 290     |     |
| TOTAL                                      | 6.948          |                    | 80                   | 280 1          | 137                     | 3, 425                               | 181         | 2, 715                    | 99                     | 528           | 6, 948     |     |
|  |                |                    |                      |                |                         |                                      |             |                           |                        |               |            |     |

Result of Pumping Volume each Water Containers

|   |                             |                |                    | Kesni               | Result of rumping forume | m 10 4 8   | ממכו                    | ייבר בחוונים | STORT   |              |               |              |
|---|-----------------------------|----------------|--------------------|---------------------|--------------------------|------------|-------------------------|--------------|---|--------------|---------------|--------------|
| (Sumpling dat                           | (Sumpling date 24 Feb 1995) |                |                    |                     | 150                      |            | 52                      | ٠            | e,⊺   |              |               |              |
| Village name                            | me B. Beng                  | (E)            |                    | Ĭ                   | (Volume 150Lit)          |            | (Volume 25Lit)          | Ç            | (Volume 15Lit)                                  | ~            | (Volume &Lit) |              |
| A STATE                                 |                             |                |                    | 0il dram(Volume[1]) |                          | Lit Bucker | 30Lit Buckeu(Volume[2]) | 20Lite Buck  | 20Lite Bucket(Volume[3])10Lit Bucket(Volume(4)) | 10Lit Bucket | (Volume(4))   |              |
| Presing ties                            | K of Times rate             | Volume(L)      | Amount Supply(Lit) | Personal            | <u> </u>                 | Personal   | Volume[2]               | Personal     | Volume[31]                                      | Personal     | Volume[4]     | TOTAL(Lit)   |
| n my to 1                               | 6                           | 0              |                    | 0                   | 0                        | 0          | 0                       | 0            | 0   | 0            | 0             | 0            |
| 7                                       | > <b>c</b>                  | <b>&gt;</b> C  | <b>&gt;</b> C      | · -                 | . 0                      | 0          | 0                       | 0            | 0   | 0            | 0             | 0            |
| 3 6<br>7 6                              | > @                         | · ·            | ° C                | · <b>c</b>          | • <b>•</b>               | 0          | •                       | 0            | 0   | 0            | 0             | 0            |
| 9 0                                     | 7 20                        | 600            | 900                | > <del>-</del>      | 900                      |            | . 0                     | 0            | 0   | - ·          | 0             | 009          |
| o ≪<br>}                                | ÷ 30                        | 1 230          | 1 830              | ·co                 | 450                      | · œ        | 200                     | 50           | 300   | 35           | - 082         | 1, 230       |
| > ec<br>}                               |                             | 1,230          | 9, 976             | · <del>V</del>      | 009                      | 82         | 450                     | 0            | 0   | 12           | 96            | 1, 146       |
| > t-<br>> «                             | 9 -                         | 147            | 3 123              | · C                 |                          | 0          | 0                       | r.           | 75  | <b>6</b> 5   | 72            | 147          |
| ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~   | 1.00<br>R 67                | 020            | 4.052              | → <del>च</del>      | 900                      | ဗ          | 150                     | ്ഗ           | 75  | 13           | 104           | 626          |
|   | 90.9                        | 844            | 4. 896             | 7                   | 900                      | -          | 52                      | S            | 75  | 18           | 144           | 844          |
| ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °   | 200                         | 795            | 5 691              | ero                 | 450                      | 0          | 0                       | S            | 75  | 52           | 200           | 725          |
|   | 07.0                        | 080 1          | 6. 701             |                     | 750                      | 0          |                         | 90           | 06  | 30           | 240           | 1, 080       |
| 1 1 ~ 1 9                               | 90 78                       | 2 896<br>9 896 | 9, 597             |                     | 1. 200                   | 25         | 625                     | 33           | 495   | 72           | 576           | 2, 896       |
| ء ا                                     | 2                           | 9 597          |                    | 35                  | 5, 250                   | 58         | 1, 450                  | 79           | 1, 185  | 214          | 1, 712        | 9, 597       |
| - 14                                    | F 78                        | 805            | 10 409             | 1                   | 909                      | -          | 25                      | 4            | 90  | . 15         | 120           | 802          |
| 1.2 ~ 1.5                               |                             | 103            | 10.595             | · c                 | 6                        | 0          | 0                       | -            | 105   | П            | 88            | 193          |
| . r                                     | 00 7                        | 200            | 11 185             | 60                  | 450                      | C)         | 20                      | 9            | 90  | 0            | 0             | 290          |
|   | 77 T                        | 920            | 11, 455            | , ,,,,,             | 150                      | ്ന         | 75                      | က            | 45  | 0            | 0             | 270          |
| 16 ~ 17                                 | ν α<br>α                    | 471            | 11 926             | 5 2                 | 300                      | 0          | 0                       | ഹ            | 75  | 12           | 96            | 471          |
| - 1                                     | 10 25                       | 1 428          | 13, 354            | 9                   | 006                      | 21         | 300                     | 12           | 180   |              | 48            | 1, 428       |
| · ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ | 2 07                        | 288            | 13,642             | . 0                 | 0                        | 10         | 250                     | 9            | 06  | 9            | 48            | 388          |
| 0.5 ~ 6.1                               | 61 6                        | 206            | 13, 938            | 0                   | 0                        | မ          | 150                     | 9            | 06  | 7            | 26            | 296          |
| 90 ~ 21                                 | 0                           | 2              | 0                  | 0                   | 0                        | 0          | 0                       | 0            | 0   | 0            | 0             | 0            |
| 2 - 2 - 2 - 2 - 2 - 2 - 2               | > =                         | · c            | · C                | 0                   | 0                        | 0          | 0                       | 0            | 0   | <del>0</del> | 0             | <del>-</del> |
| $\frac{2}{2} \sim 23$                   | » c                         |                | 0                  | 0                   | 0                        | 0          | 0                       | 0            |   | 0            | 0             | •            |
| 23 ~ 24                                 | · c                         | 0              | 0                  | 0                   | 0                        | Ö          | 0                       | 0            | 0   | 0            | 0             | 0            |
| Sub total                               |                             | 4, 341         |                    | 16                  | 2, 400                   | 34         | 850                     | 49           | 735   | 57           | 456           | 4, 341       |
| TOTAL                                   |                             | 13, 938        |                    | 51                  | 7,650                    | 26         | 2, 300                  | 128          | 1, 920  | 271          | 2, 168        | 13, 938      |
|   |                             |                |                    |                     |                          |            | i                       |              |   |              |               |              |

Result of Pumping Volume each Water Containers

| . ∝             | Lit)            | (4)                           | 4] TOTAL(Lit)      | 0     | 0         | 0      | . 0   | 400      | 2, 402 | 971   | 553      | 380          | 360         | 300          | 2, 987       | 8, 662    | 2, 102       | 948          | 1, 201       | 704          | 1,313        | 1, 470       | 899          | 683        | 009          | 1, 200       | 0            | 0            | 10, 889   |         |
|-----------------|-----------------|-------------------------------|--------------------|-------|-----------|--------|-------|----------|--------|-------|----------|--------------|-------------|--------------|--------------|-----------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|--------------|--------------|--------------|--------------|-----------|---------|
|                 | (Volume 8Lit)   | cet(Volume(4))                | Volume[4]          | 0     | 0         | 0      | 0     | 64       | 152    | 16    | <b>∞</b> | 0            | 0           | 0            | 192          | 432       | 192          | 48           | 136          | 104          | 128          | 0            | .œ           | တ          | 0            | 0            | 0            | 0            | 624       | 1,056   |
| 15              | it)             | ]] 10Lit Buck                 | Personal           | 0     | 0         | 0      | 0     | <b>∞</b> | 19     | 2     | -        | 0            | 0           | 0            | 24           | 54        | 24           | 9            | 17           | 13           | 91           | .0           | ÷;           | <b>←</b>   | <b>0</b>     | 0            | 0            | 0            | 78        | 132     |
|                 | (Volume 15Lit)  | <pre>ket(Volume[3],10Li</pre> | Volume[31]         | 0     | 0         | 0      | 0     | 495      | 909    | 105   | 195      | 180          | 210         | 0            | 270          | 2, 055    | 360          | <b>Q</b>     | 165          | 0            | 435          | 270          | .09          | 75         | 0            | 0            | 0            | 0            | 1, 365    | 3, 420  |
|                 | (‡)             | 20Lite Buck                   | Persona1           | 0     | 0         | 0      | 0     | 33       | 40     | -     | 13       | 13           | 14          | 0            | 18           | 137       | 24           | 0            | =            | 0            | 53           | 18           | 4            | ស          | 0            | 0            | 0            | 0            | 91        | 228     |
| 25              | (Volume 25Lit)  | 30Lit Buckeu(Volume[2])       | Volume[2]          | 0     |           | 0      |       | 0        | 0      | 100   | 350      | 500          | 150         | 300          | 1, 325       | 2, 425    | 350          | 009          | 300          | 300          | 300          | 300          | 009          | 0          | 0            | 0            | 0            | 0            | 2, 750    | 5, 175  |
| )               | it)             | 30Lit Bucker                  | Personal           | 0     | 0         | 0      | 0     | 0        | 0      | 4     | 14       | œ            | හ           | . 12         | 53           | 9.1       | 14           | 24           | 13           | 12           | 13           | 13           | 24           | 0          | 0            | 0            | 0            | 0            | 110       | 207     |
| 150             | (Volume 150Lit) | dram(Volume[1])               | Volume[1]          | 0     | 0         | 0      | 0     | 150      | 1,650  | 750   | 0        | 0            | 0           | 0            | 1, 200       | 3, 750    | 1, 200       | 300          | 900          | 300          | 450          | 006          | 0            | 009        | 009          | 1, 200       | 0            | 0            | 4, 950    | 8, 700  |
|                 |                 | Oil dram(V                    | Personal           | 0     |           | -<br>  | -     | -        | =      | ம     | <u>ල</u> | . 0          | -           | 0            | <b>0</b> 0   | 25        | 8            | 2            | ₹7           | 2            | က            | 90           | 0            | 4          | 7            | ∞            | ر<br>د       | 0            | န         | 28      |
|                 |                 |                               | Amount Supply(Lit) | 0     | 0         | 0      | 0     | 602      | 3, 111 | 4,082 | 4,635    | 5, 015       | 5, 375      | 5, 675       | 8, 662       |           | 10, 764      | 11, 712      | 12, 913      | 13, 617      | 14, 930      | 16, 400      | 17, 068      | 17, 751    | 18, 351      | 19, 551      | 0            | 0            |           | 5.872   |
| (2)             | (2)             |                               | Volume(L)          | 0     | 0         | · •    | · c   | 602      | 2, 402 | 971   | 553      | 380          | 360         | 300          | 2, 987       | 8, 662    | 2, 102       | 948          | 1, 201       | 704          | 1, 313       | 1, 470       | 899          | 683        | 009          | 1, 200       | 0            | 0            | 10,889    | 19, 551 |
| te 25 Feb 1995) |                 |                               | % of Times rate    | 0     |           | · C    | · c   | 3.63     | 12. 29 | 4.97  | 2.83     | 1.94         | 1.84        | 1.53         | 15. 28       |           | 10.75        | 4.85         | 6.14         | 3.60         | 6.72         | 7. 52        | 3.42         | 3.49       | 3.07         | 6.14         | 0            | 0            |           |         |
| (Sumpling date  | Village name    |                               | Pumping time       | 0 ~ 1 | $1\sim 2$ | 2<br>3 | 3 ~ 6 | 4 ~ 5    | 5 ~ 6  | 6 ~ 7 | 2 ~ 8    | 6 ~ <b>8</b> | $9 \sim 10$ | $10 \sim 11$ | $11 \sim 12$ | Sub total | $12 \sim 13$ | $13 \sim 14$ | $14 \sim 15$ | $15 \sim 16$ | $16 \sim 17$ | $17 \sim 18$ | $18 \sim 19$ | $19\sim20$ | $20 \sim 21$ | $21 \sim 22$ | $22 \sim 23$ | $23 \sim 24$ | Sub total | TOTAL   |

|   |   | ٠ |
|---|---|---|
|   |   |   |
| 7 | _ | - |
|   | ٠ | ۰ |
|   | 4 | د |
| , | ٩ | د |
|   | Ċ | 3 |
| < | / | ) |

|   |         |   |                                |                    |                |  |                    |               |               |          |                                       |         |            |           |        |          |              |              |           |                  | ٠.           |          |              |              |              |              |              |              |              |              |              |           | •       |
|---|---------|---|--------------------------------|--------------------|----------------|--|--------------------|---------------|---------------|----------|---------------------------------------|---------|------------|-----------|--------|----------|--------------|--------------|-----------|------------------|--------------|----------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------|---------|
|   | ٠.      |   |                                |                    |                | TOTAL(Lit)   | c                  | 0             | 0             | 0        | 1, 032                                | 290     | 454        | 310       | 636    | 448      | 009          | 1,040        | 5, 110    | 724              | 454          | 1, 155   | 1,660        | 1,676        | 1, 755       | 674          | 711          | 265          | 750          | <b>~</b>     | 0 0          | 5, 024    | 14, 934 |
|   |         |   |                                | <b>с</b>           | (Volume 8Lit)  | t(Volume(4))   | c                  | 0             | 0             | 0        | 232                                   | 40      | 104        | 160       | 136    | 128      | 0            | 0            | 800       | 64               | 104          | 40       | 08<br>3      | 256          | <b>o</b> ;   | 54           | 16           | 0            | 0            | <b>-</b>     | 0            | 384       | 1, 384  |
| • |         |   |                                |                    | · · ·          | 10Lit Bucke<br>Personal  | _                  | . 0           | 0             | 0        | 53                                    | 2       | 13         | 8         | 17     | 91       | <b>•</b>     | ٥            | 100       | တ်               | 13           | ĸ        | 2            | 25.          | 0            | CTD I        | <b>C</b> 3   | 0            | 0            | 0            | c :          | 5         | 173     |
|   |         |   |                                | 15                 | (Volume 15Lit) | <pre>20Lite Bucket(Volume[3], 10Lit Bucket(Volume[4), Personal Volume[4]</pre> | 0                  |               | 0             | 0        | 0                                     | 0       | 0          | 150       | 0      | 120      | 0            | 240          | 510       | 9                | 0            | 06       | 180          | 420          | 330          | 0            | 45           | 15           | 0            | 0            | 0 .          | 1, 140    | 1, 650  |
|   |         |   | ter Containers                 |                    | )<br>G         | 20Lite Bucke<br>Personal   | 0                  | <b>.</b>      | 0             | 0        | 0                                     | ·<br>0  | 0          | 10        | 0      | <b>∞</b> | 0            | 16           | 34        | ħ                | 0            | 9        | 12           | <b>58</b>    | 55           | 0            | ണ            | _            |              | 0            | o ;          | 9         | 110     |
|   |         |   | t of Pumping Volume each Water | 53                 | (Volume 25Lit) | 30Lit Buckeu(Volume[2])  | Calamore,          | <b>-</b>      | 0             | 0        | 20                                    | 250     | 200        | 0         | 200    | 200      | 0            | 200          | 1, 100    | 0                | 200          | 125      | 200          | 400          | 225          | 200          | 200          | 100          | 0            | 0            | 0 ,          | 1, 950    | 3, 050  |
|   |         |   | ing Volum                      |                    | <del>(</del> 4 | OLit Bucker<br>Personal  | Terroria:          | 0             |               | 0        | 2                                     | 01      | œ          | 0         | ∞.     | <b>∞</b> | <b>•</b>     | 8            | 44        | 0                | <b>0</b> 0   | <b>S</b> | 50           | 91           | <b>o</b> n   | <b>&amp;</b> | ထ            | 4            | 0            | 0            | 0            | æ         | 122     |
|   | Sheet 1 |   | t of Pumpi                     | 150                | 30F            | olume[1]) 3  | To men to          | <b>-</b> -    |               | 0        | 750                                   | 300     | 150        | 0         | 300    | 0        | 900          | 900          | 2, 700    | 009              | 150          | 006      | 006          | 009          | 1, 200       | 450          | 420          | 150          | 750          | 0            | 0 0          | 5, 400    | 8, 100  |
|   |         |   | Resul                          |                    |                | Oil dram(Vo  | refsoliai          | <b>-</b>      | · c=          |          | Ŋ                                     | 2       | -          | 0         | 2      | 0        | 7            | 4            | 18        | Ď                | _            | 9        | 9            | 77           | <b>∞</b>     | en           | ώ            |              | rc           |              | <u> </u>     | 98        | 25      |
|   |         |   |                                |                    |                | . н  | Amount Supply(L1t) | <b>.</b>      | > C           | ) O      | 1. 032                                | 1, 622  | 2, 076     | 2, 386    | 3, 022 | 3,470    | 4, 070       | 5, 110       |           | 5, 834           | 6, 288       | 7, 443   | 9, 103       | 10, 779      | 12, 534      | 13, 208      | 13, 919      | 14, 184      | 14, 934      | 0            | 0            |           |         |
|   |         | i |                                | 95)                | (E)            |  | Volume(L)          | <b>&gt;</b> C | <b>&gt;</b> ¢ | · c      | 1. 032                                | 590     | 454        | 310       | 636    | 448      | 009          | 1,040        | 5, 110    | 724              | 454          | 1, 155   | 1, 660       | 1, 676       | 1, 755       | 674          | 711          | 265          | 750          | 0            | 0            | 9, 824    | 14, 934 |
| 8 |         |   | 25                             | (-95) Feb $(-995)$ | g<br>G         |  | of Times rate      | <b>-</b>      | <b>&gt;</b> C | <b>~</b> | . 6                                   |         | 3.04       | 2.08      | 4.26   | 3 00     | 4.02         | 6.96         |           | 4.85             | 3.04         | 7.73     | 11.12        | 11. 22       | 11.75        | 4.51         | 4.76         | 1.77         | 5.02         | 0            | 0            |           |         |
|   |         |   |                                | (Sumpling date     | Village name   | ŀ  | Pumping time %     | 0             | y 00<br>} \{  | 3 c      | · · · · · · · · · · · · · · · · · · · | کا<br>ک | 2~9        | 2 × 1 × 8 | , 6    | 9 ~ 10   | $10 \sim 11$ | $11 \sim 12$ | Sub total | н `              | $13 \sim 14$ | 14 ~ 15  | $15 \sim 16$ | $16 \sim 17$ | $17 \sim 18$ | $18 \sim 19$ | $19 \sim 20$ | $20 \sim 21$ | $21 \sim 22$ | $22 \sim 23$ | $23 \sim 24$ | Sub total | TOTAL   |
|   |         |   |                                |                    | i.             |  |                    |               |               |          |                                       |         | yla<br>Yla |           |        |          |              |              |           | er<br>ere<br>ere |              |          |              | : .          | , .          |              |              |              |              |              |              |           |         |

Result of Pumping Volume each Water Containers

|                        |                             |           |                    | Kesnt               | Result of rumping rotume cach water | nig rolui   | שני משכוו אני           |          | collegation s                                   |              |               |              |
|------------------------|-----------------------------|-----------|--------------------|---------------------|-------------------------------------|-------------|-------------------------|----------|---|--------------|---------------|--------------|
| (Sumpling da           | (Sumpling date 27 Feb 1995) | . (1      |                    |                     | 150                                 |             | 25                      |          | 15  |              | ∞             |              |
| Village name           | ame B. Beng                 | (4)       |                    | •                   | (Volume 150Lit)                     | (1)         | (Volume 25Lit)          | it)      | (Volume 15Lit)                                  | Ę            | (Volume 8Lit) | •            |
|                        |                             | 1         |                    | Oil dram(Volume[1]) | _                                   | 30Lit Bucke | 30Lit Buckeu(Volume[2]) |          | 20Lite Bucket(Volume[3],10Lit Bucket(Volume[4)) | 10Lit Bucket | :(Volume(4))  |              |
| Pumping time           | % of Times rate             | Volume(L) | Amount Supply(Lit) | Personal            | Volume[1]                           | Personal    | Volume[2]               | Persona1 | Volume[31]                                      | Personal     | Volume[4]     | TOTAL(Lit)   |
|                        |                             | 0         | 0                  | 0                   | 0                                   | <br> <br>   | 0                       | 0        | 0   | 0            | 0             | 0            |
|                        | C                           |           | 0                  | Ö                   | 0                                   | 0           | 0                       | 0        | 0   | 0            | 0             | 0            |
| ° 60<br>~ ~            | 0                           | 0         | 0                  | 0                   | 0                                   | <b>©</b>    | 0                       | 0        | 0   | 0            | 0             | 0            |
| ) <del>4</del>         | , ou e                      | · c       |                    | 0                   | 0                                   | · ©         | 0                       | 0        | 0   | 0            | 0             | 0            |
| . 4<br>. √             | Q 7                         | 869       | 698                | · o                 | 0                                   | 15          | 375                     | 81       | 270   | 28           | 224           | 869          |
| . rc<br>. ~            | 3.42                        | 674       | 1.543              |                     | 0                                   | ණ           | 200                     | 22       | 330   | <u>8</u>     | 144           | 674          |
| · · · · · · · ·        | 0.94                        | 186       | 1, 729             | 0                   | 0                                   | ຕວ          | 75                      | -        | 15  | 12           | 96            | 186          |
| × 2-                   | 0.00                        | 0         | 1, 729             | 0                   | 0                                   | 0           |                         | 0        | 0   | 0            | 0             | 0            |
| <i>5</i> :             | 0.76                        | 150       | 1, 879             | -                   | 150                                 | 0           | ;<br>•                  | 0        | 0   | 0            | 0             | 150          |
| $\frac{10}{2}$         |                             | 1.122     | 3,001              | 87                  | 300                                 | 12          | 300                     | 22       | 330   | 24           | 192           | 1, 122       |
| $10 \sim 11$           |                             | 947       | 3, 948             | ,q                  | 150                                 | 17          | 425                     | 15       | 180   | 23           | 192           | 947          |
| 111 ~ 12               | 7. 69                       | 1, 122    | 5, 070             | <del>-</del>        | 150                                 | 24          | 009                     | 12       | 180   | 24           | 192           | 1, 122       |
| Sub total              |                             | 5.070     |                    | ಬ                   | 750                                 | - 62        | 1, 975                  | 87       | 1, 305  | 130          | 1,040         | 5, 070       |
|                        | 6.78                        | 1, 337    | 6, 407             |                     | 150                                 | 29          | 725                     | 18       | 270   | 24           | 192           | 1, 337       |
| ' - <del>-</del>       | 2 99                        | 1, 575    | 7. 982             | <del>.</del>        | 150                                 | 36          | 006                     | 10       | 285   | 93           | 240           | 1, 575       |
| 14 ~ 15                | 7.37                        | 1, 453    | 9, 435             | 7                   | 009                                 | 12          | 300                     | 23       | 345   | 56           | 208           | 1, 453       |
| 1.5 ~ 16               | 37                          | 1,650     | 11, 085            | 4                   | 900                                 | 18          | 450                     | 24       | 360   | 30           | 240           | 1,650        |
| $\frac{1}{16} \sim 17$ | 7.31                        | 1, 442    | 12, 527            | ်<br>(တ             | 450                                 | 18          | 450                     | 22       | 330   | 24           | 192           | 1, 422       |
| 17 ~ 18                | : c:                        | .1,882    | 14, 409            | ₹                   | 009                                 | 92          | 650                     | 24       | 360   | 34           | 272           | 1,882        |
| 18 ~ 19                | 2 00                        | 1.381     | 15, 790            | 2                   | 300                                 | 22          | 550                     | 13       | 195   | 45           | 336           | 1, 381       |
| $19 \sim 20$           |                             | 1, 579    | 17, 369            | 21                  | 300                                 | 27          | 675                     | 50       | 300   | 38           | 304           | 1, 579       |
| $20 \sim 21$           | 88                          | 1, 653    | 19, 022            | 4                   | 009                                 | 18          | 450                     | 21       | 315   | 36           | 888           | 1,653        |
| $\frac{1}{21} \sim 22$ | 3.52                        | 693       | 19, 715            | · <del></del>       | 150                                 | 12          | 300                     | 13       | 195   | ·<br>•       | 48            | 693          |
| $22 \sim 23$           |                             | 0         | 0                  | •                   | 0                                   | 0           | 0                       | 0        |   | 0            | 0             | <del>0</del> |
| $23 \sim 24$           | 0                           | 0         | 0                  | 0                   | 0                                   | 0           | 0                       | 0        | 0   | 0            | 0             | 0            |
| Sub total              |                             | 14, 645   |                    | 52                  | 3, 750                              | 506         | 5, 150                  | 184      | 2, 760  | 284          | 2, 272        | 14, 645      |
| TOTA                   |                             | 10 715    |                    | 30                  | 4.500                               | 285         | 7, 125                  | 271      | 4,065   | 414          | 3, 312        | 19, 715      |

Result of Pumping Volume each Water Containers

| (Sumpling date 28 Feb     | Feb 1995)      |                    | 150                 | 911         | 25               |   | 15                            |             | <b>∞</b>          |            |
|---------------------------|----------------|--------------------|---------------------|-------------|------------------|---|-------------------------------|-------------|-------------------|------------|
| <u> </u>                  | ng (5)         |                    | (Volume 150Lit)     |             | (Yolume 25Lit)   |   | (Volume 15Lit)                |             | (Volume 8Lit)     |            |
|                           |                |                    | Oil dram(Volume[1]) | it Buck     | eu(Volume[2]) 20 | Lite Bucket                               | 20Lite Bucket(Volume[3]]10Lit | OLit Bucket | Bucket(Volume(4)) |            |
| Pumping time K of Times r | rate Volume(L) | Amount Supply(Lit) | Personal Volume[1]  | Personal Vo | Volume[2]   Pa   | Personal                                  | Volume[31]                    | Personal    | Volume[4]         | TOTAL(Lit) |
| -                         | 0              | 0                  | 0 0                 | 0           | 0                | 0   | 0                             | 0           | 0                 | Ö          |
| $1\sim 2$ 0.00            | 0              | 0                  | 0 0                 | 0           | . 0              | 0   |                               | 0           | 0                 | 0          |
| $2\sim 3$ 0.00            | 0              | 0                  | 0 0                 | 0           | 0                | 0   |                               | 0           | 0                 | 0          |
| 3 ~ 4 0.00                |                | 0                  | 0 0                 | 0           | 0                | 0   | 0                             | 0           | 0                 | ⇔.         |
| 4 ~ 5 11.16               | 1, 150         | 1, 150             | 4 600               | <b>6</b> 0  | 200              | 10  | 150                           | 22          | 200               | 1, 150     |
| 5 ~ 6 3.14                | 323            | 1, 473             | 1 150               | <b>⊷</b>    | 25               | 4   | <b>9</b>                      | Π           | 88                | 323        |
| 6 ~ 7 6.12                | 630            | 2, 103             | 3 450               | 7           | 100              |   | 0                             | <u>0</u>    | <u>@</u>          | 630        |
| 7 ~ 8 5.22                | 238            | 2, 641             | 1 150               | 9           | 150              | 01  | 150                           | =           | <b>8</b> 8        | 538        |
| 8 ~ 9 6.70                | 069            | 3, 331             | 2 300               | 10          | 250              | ,<br>************************************ | 90                            | 01          | <b>&amp;</b>      | 069        |
| $9 \sim 10$ 5.51          | 268            | 3, 899             | 2 300               | 0           | 0                | 4   | 90                            | 56          | 208               | 268        |
|                           | 570            | 4, 469             | 0 0                 | 18          | 450              | 0   | 0                             | 12          | 120               | 570        |
| $ 11 \sim 12 9.20$        | 948            | 5, 417             | 4 600               | က           | 75               | 15  | 225                           | 9           | 48                | 948        |
|                           | 5, 417         |                    | 17 2, 550           | 50          | 1, 250           | 47  | 705                           | 114         | 912               | 5, 417     |
| $1.2 \sim 1.3$ 6.62       | 682            | 6, 099             | 1 150               | 10          | 250              | 14  | 210                           | 6           | 7.5               | 682        |
| $13 \sim 14$ 2.37         | 244            | 6, 343             | 1 150               | 0           | 0                | 2   | 30                            | <b>~</b>    | 64                | 244        |
| 1.4 ~ 1.5 5.79            | 597            | 6,940              | 2 300               | ന           | 75               | 10  | 120                           | 6           | 72                | 597        |
| $15 \sim 16$ 3.15         | 324            | 7, 264             | 0 0                 | ស           | 125              | თ   | 135                           | <b>∞</b>    | 94                | 324        |
|                           | 1, 320         | 8, 584             | 5 750               | 12          | 300              | 10  | 150                           | 15          | 120               | 1, 320     |
| $17 \sim 18$ 6.67         | 687            | 9, 271             | 1 150               | 11          | 275              | 10  | 150                           | 14          | 112               | 687        |
| $18 \sim 19$ 3.57         | 368            | 9, 639             | 1 150               | 0           | 0                | 95  | . 06                          | 16          | 128               | 368        |
|                           | 639            | 10, 278            | 2 300               | 9           | 150              | د.ي                                       | 45                            | 18          | 144               | 639        |
| $2.0 \sim 2.1$ 0.23       | 24             | 10, 302            | 0 0                 | 0           | 0                | 0   | 0                             | က           | 54                | 24         |
| $21 \sim 22$ 0.00         |                | 0                  | 0 0                 | 0           | 0                | 0   | 0                             |             | 0                 | 0          |
| $2.2 \sim 2.3$ 0.00       | •              | 0                  | 0 0                 | .0          | 0                | 0.  | 0                             | 0           | 0                 | 0          |
| $23 \sim 24$ 0.00         | 0              | 0                  | 0 0                 | 0           | 0                | 0   | 0                             | 0           | 0                 | 0          |
| Sub total                 | 4, 885         |                    | 13 1, 950           | 47          | 1, 175           | 64  | 096                           | 100         | 800               | 4,885      |
| TOTAL                     | 10, 302        |                    | 30 4, 500           | 97          | 2, 425           | 111                                       | 1, 665                        | 214         | 1, 712            | 10, 302    |

| Sumpling case   Nearch 1995    Sumpling case   Nearch 1995 |                         |          |           |         | Resul        | t of Pumpi    | ng Volum    | ne each Wa   | ter Conta    | iners         |              |              |            |
|--|-------------------------|----------|-----------|---------|--------------|---------------|-------------|--------------|--------------|---------------|--------------|--------------|------------|
| B. Beng (€)         (Volume 1501.1c)         (Volume 1501.1c) <td></td> <td>irch 199</td> <td>5)</td> <td></td> <td></td> <td>150</td> <td>)</td> <td>25</td> <td></td> <td></td> <td></td> <td><b>∞</b></td> <td>-</td>  |                         | irch 199 | 5)        |         |              | 150           | )           | 25           |              |               |              | <b>∞</b>     | -          |
| Of 1 draws (Volume(1))         301:1 thront booker (Volume(3))         201:1 thront booker (Volume(3))         Processoral Volume(1)         Processoral Volume(3)         Processoral V   |                         | Beng     | (9)       |         |              | (Volume 150Li | t)          | (Volume 25Li | <del>C</del> | (Volume 15Li  | <b>≅</b>     | (Volume 8Lit |            |
| 1.1         0.0 <td></td> <td></td> <td></td> <td></td> <td>Oil dram(Ve</td> <td></td> <td>OLit Bucker</td> <td>(Volume[2])</td> <td>20Lite Buck</td> <td>et(Volume[3];</td> <td>10Lit Bucket</td> <td>(Volume(4))</td> <td></td>  |                         |          |           |         | Oil dram(Ve  |               | OLit Bucker | (Volume[2])  | 20Lite Buck  | et(Volume[3]; | 10Lit Bucket | (Volume(4))  |            |
| $0 \sim 1$ $0$   | time % of               |          | Volume(L) | Supply  | Personal     | Volume[1]     | Personal    | Volume[2]    | Personal     | Volume[31]    | Personal     | Volume[4]    | TOTAL(Lit) |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$   | $0 \sim 1$ 0            |          | 0         | 0       | <del>0</del> | 0             | 0           | 0            | 0            | 0             | 0 .          | 0            | 0          |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$   | 1 ~ 2 0                 | _        | 0         | 0       | 0            |               | 0           | 0            | 0            | 0             | <u> </u>     | 0            | 0          |
| $4\sim 5$ 12.64         1.885         1.885         5         750         12         90            | 2 ~ 3 0                 | _        | 0         | 0       | 0            |               | 0           | 0            | 0            | 0             | O            | 0            | 0          |
| $4\sim 5$ 12.64         1,885         1,885         5         750         12         300         45         675         20         160 $5\sim 6$ 9.86         1,396         3,281         7         1,050         6         130         12         180         2         16 $7\sim 8$ 1.76         28         3,281         7         1,050         6         130         12         180         2         16         2         16         2         16         2         16         0 <td>3~4</td> <td></td> <td>0</td> <td>0</td> <td>. 0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>.0</td> <td>0</td> <td>0</td> <td>0</td>  | 3~4                     |          | 0         | 0       | . 0          | 0             | 0           | 0            | 0            | .0            | 0            | 0            | 0          |
| $5\sim6$ 9.36         1.396         3.281         7         1,650         6         150         12         180         2         16 $6\sim7$ 0.11         16         3.287         0         0         0         0         0         0         0         1         2         16         2         16         2         16         2         16         2         16         2         16         0 </td <td>4 ~ 5 12.</td> <td>64</td> <td>1, 885</td> <td>1,885</td> <td>LC</td> <td>750</td> <td>12</td> <td>300</td> <td>45</td> <td>675</td> <td>20</td> <td>160</td> <td>1,885</td>   | 4 ~ 5 12.               | 64       | 1, 885    | 1,885   | LC           | 750           | 12          | 300          | 45           | 675           | 20           | 160          | 1,885      |
| 6 $\sim$ 7         6.11         16         3.297         0         0         0         0         0         0         0         2         16         3.599         1         150         2         50         0 <td>3</td> <td>36</td> <td>1, 396</td> <td>3, 281</td> <td>_</td> <td>1,050</td> <td>භ</td> <td>150</td> <td>12</td> <td>180</td> <td>2</td> <td>16</td> <td>1, 396</td>  | 3                       | 36       | 1, 396    | 3, 281  | _            | 1,050         | භ           | 150          | 12           | 180           | 2            | 16           | 1, 396     |
| $7\sim8$ 1.76 $262$ $3.559$ 1         150 $2$ $50$ $2$ $30$ $4$ $32$ $8\sim9$ 0.00         0 <td>6 ~ 7 0.1</td> <td></td> <td>16</td> <td>3, 297</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>8</td> <td>16</td> <td>16</td>   | 6 ~ 7 0.1               |          | 16        | 3, 297  | 0            | 0             | 0           | 0            | 0            | 0             | 8            | 16           | 16         |
| 8 $\sim$ 9         0.00         0 <th< td=""><td>7 ~ 8 1.7</td><td>16</td><td>262</td><td>3, 559</td><td>~</td><td>150</td><td>2</td><td>20</td><td>2</td><td>30</td><td>7</td><td>32</td><td>262</td></th<>   | 7 ~ 8 1.7               | 16       | 262       | 3, 559  | ~            | 150           | 2           | 20           | 2            | 30            | 7            | 32           | 262        |
| 9 $\sim$ 10         1.84         275         3,834         1         150         2         50         5         75         0         0           0 $\sim$ 11         2.86         426         4,260         2         300         2         50         4         60         2         16           1 $\sim$ 12         3.12         466         4,266         2         300         2         50         4         60         2         16           2 $\sim$ 13         3.12         466         4,726         6         0.81         3         4         60         8         1,290         42         96           2 $\sim$ 13         3.6         6.081         3         4         40         6         13         47         150         16         46         16         17         16         46         17         18         48         4         60         6         15         7         7         16         18         40         5         7         7         16         18         40         6         16         16         16         16         16         16         17         17         25         16         17         18  | 8 ~ 9 0.(               | 93       | 0         | 3, 559  | 0            | 0             | 0           | O            | 0            | 0             | 0            | 0            | 0          |
| 0 $\sim$ 11         2.86         426         4,260         2         300         2         50         4         60         2         16           1 $\sim$ 12         3.12         466         4,726         0         0         4         100         18         270         12         96           wb total         4.726         0         0         4         100         18         270         12         96           2 $\sim$ 13         9.08         1,029         2         300         12         300         8         1,200         48         160         8         1,200         48         160         160         17         255         28         224         48         270         160         48         160         160         17         160         160         17         17         160         160         17         17         160         160         17         17         18         17         18 <td>9~10 1.8</td> <td>84</td> <td>275</td> <td></td> <td></td> <td>150</td> <td>2</td> <td>20</td> <td>s.</td> <td>75</td> <td>0</td> <td>0</td> <td>275</td>  | 9~10 1.8                | 84       | 275       |         |              | 150           | 2           | 20           | s.           | 75            | 0            | 0            | 275        |
| 1 $\sim$ 12         3.12         466         4,726         0         0         4         100         18         270         12         96           2 $\sim$ 13         9.08         1,355         6,081         3         450         19         475         18         270         20         160           2 $\sim$ 13         9.08         1,355         6,081         3         450         19         475         18         270         20         160           3 $\sim$ 14         6.36         948         7,029         2         300         17         255         28         224           4 $\sim$ 15         5.22         779         7,089         1         150         6         17         255         28         224           5 $\sim$ 16         6.98         1,041         8,849         4         600         6         17         255         28         224           6 $\sim$ 17         11.46         12,007         4         600         6         160         24         360         25         28         224           8 $\sim$ 20         6.27         13.4         14,223         2         300         17         175         29  | $10 \sim 11 \qquad 2.8$ | 98       | 426       | 4, 260  | <b>2</b>     | 300           | 2           | 20           | *            | 90            | 7            | 16           | 426        |
| $2 \sim 13$ $4,726$ $16$ $2,400$ $26$ $700$ $86$ $1,290$ $42$ $336$ $2 \sim 13$ $9.08$ $1,355$ $6.081$ $3$ $450$ $19$ $475$ $18$ $270$ $20$ $160$ $3 \sim 14$ $6.36$ $948$ $7,029$ $2$ $300$ $12$ $300$ $20$ $300$ $6$ $48$ $4 \sim 15$ $5.22$ $779$ $7,808$ $1$ $150$ $6$ $17$ $255$ $20$ $48$ $5 \sim 16$ $6.98$ $1,041$ $8,849$ $4$ $600$ $6$ $17$ $255$ $28$ $224$ $225$ $28$ $224$ $226$ $28$ $227$ $216$ $227$ $216$ <td>က</td> <td>12</td> <td>997</td> <td></td> <td>0</td> <td>0</td> <td>4</td> <td>100</td> <td>18</td> <td>270</td> <td>12</td> <td><b>98</b></td> <td>466</td>  | က                       | 12       | 997       |         | 0            | 0             | 4           | 100          | 18           | 270           | 12           | <b>98</b>    | 466        |
| $2 \sim 13$ $0.08$ $1.355$ $0.081$ $3$ $450$ $19$ $475$ $18$ $270$ $20$ $160$ $3 \sim 14$ $0.36$ $0.36$ $0.300$  |                         | - 2      | 4, 726    |         | 16           | 2, 400        | 28          | 700          | 98           | 1, 290        | 42           | 336          | 4, 726     |
| 3 $\sim$ 14         6.36         948         7,029         2         300         12         300         20         300         6         48           4 $\sim$ 15         5.22         779         7,808         1         150         6         150         17         255         28         224           5 $\sim$ 16         6.98         1,041         8,849         4         600         6         150         5         75         27         216           6 $\sim$ 17         11.46         1,710         10,559         5         750         16         400         24         360         25         20           7 $\sim$ 18         9.71         1,448         12.007         4         600         18         450         18         270         16         25         20           8 $\sim$ 19         8.59         1,281         13,288         4         600         17         425         8         120         17         136           9 $\sim$ 20         6.27         935         14,223         2         300         7         175         20         300         16         18           1 $\sim$ 22         6.00         0         0  | $\sim 13$ 9.            | 98       | 1, 355    | 6, 081  | 3            | 450           | 19          | 475          | 18           | 270           | 20           | 160          | 1, 355     |
| 4 $\sim$ 15         5.22         779         7.808         1         150         6         150         17         255         28         224           5 $\sim$ 16         6.98         1,041         8.849         4         600         6         150         5         75         27         216           6 $\sim$ 17         11.46         1,710         10.559         5         750         16         400         24         360         25         200           7 $\sim$ 18         9,71         1.448         12,007         4         600         18         450         18         270         16         128           8 $\sim$ 19         8.59         1,281         13,288         4         600         17         425         8         120         17         136           9 $\sim$ 20         6.27         935         14,916         1         150         1         425         8         120         17         136           1 $\sim$ 22         9.00         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0   | $13 \sim 14$ 6.5        | 36       | 848       | 7, 029  | 5            | 300           | 12          | 300          | 20           | 300           | 9            | 48           | 876        |
| $5 \sim 16$ 6.98         1,041         8,849         4         600         6         150         5         75         21         216 $6 \sim 17$ 11.46         1,710         10,559         5         750         16         400         24         360         25         200 $7 \sim 18$ 9,71         1,448         12,007         4         600         18         450         18         270         16         128 $8 \sim 19$ 8,59         1,281         13,288         4         600         17         425         8         120         17         136 $8 \sim 19$ 8,59         14,283         2         300         7         175         20         300         20         160 $9 \sim 20$ 6,27         935         14,916         1         150         13         325         6         90         16         0 $0 \sim 20$ 0           | 14 ~ 15 5.2             | 22       | 779       | 7, 808  | -            | 150           | 9           | 150          | 17           | 255           | 58           | 224          | 779        |
| 6 $\sim 17$ 11.46         1,710         10,559         5         750         16         400         24         360         25         200           7 $\sim 18$ 9,71         1,448         12,007         4         600         18         450         18         270         16         128           8 $\sim 19$ 8.59         1,281         13,288         4         600         17         425         8         120         17         136           9 $\sim 20$ 6.27         935         14,223         2         300         7         175         20         300         17         136           9 $\sim 20$ 6.27         935         14,916         1         150         13         325         6         90         16         128           1 $\sim 22$ 0.00           | $15 \sim 16 \qquad 6.6$ | 86       | 1,041     | 8, 849  | ਚਾ           | 009           | 9           | 150          | വ            | 12            | 27           | 216          | 1,041      |
| 7 $\sim$ 189.711,44812,00746001845018270161288 $\sim$ 198.591,28113,2884600174258120171369 $\sim$ 206.2793514,2232300717520300201600 $\sim$ 214.6569314,916115013325690161281 $\sim$ 220.00000000002 $\sim$ 230.0000000003 $\sim$ 240.00000000040 total10,19010000000428,3001423,5502223,3302171,736   | $16 \sim 17 \mid 11$    | 46       | 1, 710    | 10, 559 | ιΩ<br>·      | 750           | 9           | 400          | 73           | 360           | . 25         | 500          | 1, 710     |
| 8 $\sim$ 19         8.59         1,281         13,288         4         600         17         425         8         120         17         136           9 $\sim$ 20         6.27         935         14,223         2         300         7         175         20         300         20         160           0 $\sim$ 21         4.65         693         14,916         1         150         13         325         6         90         16         128           1 $\sim$ 22         0.00            | $17 \sim 18 \qquad 9.7$ | 71       | 1, 448    | 12, 007 | 7            | 009           | 18          | 450          | <u>8</u> 1   | 270           | 16           | 128          | 1, 448     |
| 9 $\sim$ 2 0         6. 27         935         14, 223         2         300         7         175         20         300         20         160           0 $\sim$ 2 1         4. 65         693         14, 916         1         150         13         325         6         90         16         128           1 $\sim$ 2 2         0.00           |                         | 29       | 1, 281    | 13, 288 | ₹            | 009           | 17          | 425          | ∞            | 120           | 17.          | 136          | 1, 281     |
| 0 $\sim$ 2 1         4.65         693         14,916         1         150         13         325         6         90         16         128           1 $\sim$ 2 2         0.00            | $19 \sim 20 \qquad 6.5$ | 27       | 935       | 14, 223 | 2            | 300           | 7           | 175          | 20           | 300           | 0X           | 160          | 935        |
| 1 $\sim$ 2 2         0.00         <  | 20 ~ 21 4.6             | 35       | 693       | 14, 916 | -            | 150           | 53          | 325          | 9            | <u>6</u>      | 16           | 128          | 693        |
| $2 \sim 2.3$ $0.00$ $0$ <  | $21 \sim 22 \qquad 0.0$ | 30       | 0         | 0       | 0            | 0 =           | 0           | 0            | 0            | 0             | •            | 0            | 0          |
| $3\sim 2.4$ 0.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   | $2\sim23\qquad0.$       | 30       | 0         | 0       | 0            | 0             | <b>0</b> .  | 0            | 0            | 0             | <b>o</b> `   | 0            | 0          |
| total         10, 190         26         3, 900         114         2, 850         136         2, 040         175         1, 400           NTAL         14, 916         42         6, 300         142         3, 550         222         3, 330         217         1, 736   | $3\sim2.4\qquad0.$      | 30       | 0         | 0       | 0            | 0             | 0           | 0            | 0            | 0             | <b>O</b>     | 0            | 0          |
| 14,916         42         6,300         142         3,550         222         3,330         217         1,736  | Sub total               |          | 10, 190   |         | 56           |               | 114         |              | 136          | 2,040         | 175          | 1, 400       | 10, 190    |
|  | TOTAL                   |          | 14, 916   |         | 42           |               | 142         |              | 222          |               | 217          | 1, 736       | 14, 916    |

Result of Pumping Volume each Water Containers

|                              |               |           |                    | Result              | RESULL OF FURDING FOLUNC | III YOLUINA             | cacii natei    | 27 100 123  | 111101.3                   |          | ~              |            |
|------------------------------|---------------|-----------|--------------------|---------------------|--------------------------|-------------------------|----------------|-------------|----------------------------|----------|----------------|------------|
| (Sumpling date 2 March 1895) | Z March 19t   | (2)       |                    |                     | 001                      |                         | 3              |             |                            | ,        | (4:10 01:4)    |            |
| Village name B.              | B. Beng       |           |                    | 5                   | (Volume 150Lit)          |                         | (Volume 25Lit) |             | (Volume 15L1T              |          | (Volume delle, |            |
|                              |               |           |                    | Oil dram(Volume[1]] | _                        | 30Lit Buckeu(Volume[2]) | [Volume[2])    | 20Lite Buck | 20Lite Bucket(Volume[3],10 | Lit Buck | et(Volume(4))  |            |
| Pumping time X               | of Times rate | Volume(L) | Amount Supply(Lit) | Personal            | Volume[1]                | Personal                | Volume[2]      | Personal    | Volume[31]                 | Personal | Volume[4]      | TOTAL(Lit) |
| -                            | c             | 0         | 6                  | 0                   | 0                        | 0                       | 0              | 0           | 0                          | 0        | 0              | 0          |
| · ~ ~ -                      | > C           | · 0       | • •                | 0                   | 0                        | 0                       | -<br>-         | 0           | 0                          | 0        | 0              | 0          |
| , «<br>, «                   | > C           | · ·       | 0                  | 0                   | 0                        | 0                       | 0              | 0           | 0                          | 0        | 0              | 0          |
|                              | o C           | · c       |                    | 0                   | 0                        | 0                       | 0              | Ó           | . 0                        | 0        | 0              | Φ,         |
| · v                          | 68.0          | 2,347     | 2, 347             | မ                   | 006                      | 53                      | 575            | 40          | 009                        | 34       | 272            | 2, 347     |
|                              |               | 1, 686    | 4, 033             | ځه                  | 450                      | 16                      | 400            | 36          | 540                        | 37       | 596            | 1, 686     |
| ,                            | 5 04          | 1, 204    | 5, 237             | ,                   | 150                      | 14                      | 320            | 35          | 480                        | 82       | 224            | 1, 204     |
| οσ<br>}<br>}                 | <br>          | 250       | 5. 487             | 0                   | 0                        | 10                      | 250            | 0           | 0                          | 0        | 0              | 250        |
| ο σ<br>                      | 2 CS          | 488       | 5, 975             | يشو ،               | 150                      | œ                       | 200            | 9           | <u>0</u> 6                 | 9        | 48             | 488        |
|                              |               | 1.440     | 7,415              | 4                   | 009                      | 80                      | 200            | 32          | 480                        | 20       | 160            | 1,440      |
| ~ ~ 0                        | 20 00         | 2 095     | 9.510              | 9                   | 006                      | 61                      | 475            | 24          | 360                        | 45       | 360            | 2, 095     |
|                              | 6.47          | 1.545     | 11, 055            | · 🗗                 | 009                      | 13                      | 300            | =           | 165                        | 90       | 480            | 1, 545     |
| , j                          | 5             | 11,055    |                    | 25                  | 3, 750                   | 110                     | 2, 750         | 181         | 2, 715                     | 230      | 1,840          | 11, 055    |
| $12 \sim 13$                 | 5.30          | 1.266     | 12, 321            | <b>T</b>            | 900                      | 19                      | 475            | 1           | 15                         | 22       | 176            | 1, 266     |
| 2                            |               |           | 12, 321            | .0                  | 0                        | 0                       | 0              | 0           |                            | 0        | 0              | 0          |
| 14 ~ 15                      | 4.50          | 1. 073    | 13, 394            | 2                   | 300                      | Ξ                       | 275            | 22          | 330                        | 21       | 168            | 1, 073     |
|                              | 200           | 2,112     | 15, 506            | 2                   | 300                      | 38                      | 920            | 34          | 510                        | 44       | 352            | 2, 112     |
| 16 ~ 17                      | 10.43         | 2, 490    | 17, 996            | က                   | 450                      | 48                      | 1, 200         | 40          | 009                        | 30       | 240            | 2, 490     |
| $17 \sim 18$                 | 11. 52        | 2, 750    | 20, 746            |                     | 0                        | 26                      | 1, 250         | 09          | 006                        | 75       | 909            | 2, 750     |
| $18 \sim 19$                 | 8.26          | 1, 972    | 22, 718            | 7                   | 300                      | 35                      | 800            | 40          | 009                        | 85       | 272            | 1.972      |
| $1.9 \sim 20$                | 2, 30         | 550       | 23, 268            | ۵,                  | 300                      | 10                      | 250            | 0           | 0                          | 0        | 0              | 550        |
| 2.0 ~ 2.1                    | 1.26          | 300       | 23, 568            | 2                   | 300                      | 0                       | 0              | 0           | 0                          | 0        | 0              | 300        |
| $21 \sim 22$                 | 0.63          | 150       | 23, 718            |                     | 150                      | 0                       | 0              | 0           | 0                          | 0        | 0              | 150        |
| 22 ~ 23                      | 89            | 150       | 23, 868            | _                   | 150                      | 0                       | 0              | 0           | 0                          | 0        | 0              | 150        |
| ં                            | . –           | 0         |                    |                     | 0                        | 0                       | 0              | 0           | 0                          | 0        | 0              | 0          |
| ib<br>to                     | <u> </u>      | 12, 813   |                    | 18                  | 2, 700                   | 208                     | 5, 200         | 197         | 2, 955                     | 226      | 1,808          | 12, 813    |
| TOTAL                        |               | 23.868    |                    | 43                  | 6, 450                   | 318                     | 7, 950         | 378         | 5, 670                     | 426      | 3, 648         | 23, 868    |
| ומוטו                        |               | 40, 000   |                    | <u> </u>            |                          |                         |                |             |                            |          |                |            |

Sheet]

Result of Pumping Volume each Water Containers

| (Sampling date 23 / | te 23 / Feb / 1995) | 15)       | -                    |                     | 50             | 0           | 20             |              | 12             |             | 7  | e.         |
|---------------------|---------------------|-----------|----------------------|---------------------|----------------|-------------|----------------|--------------|----------------|-------------|--|------------|
| Village name        | ne B. Phonphai      | u (1)     |                      |                     | (Yolume 50Lit) | (±)         | (Volume 20Lit) | it)          | (Volume 12Lit) | . (1)       | (Volume 7Lit)  |            |
|                     |                     |           |                      | Oil dram(Volume[1]) |                | 30Lit Bucke | t(Volume(2     | 20Lit Bucker | t(Volume{3})   | 10Lit Bucke | 30Lit Bucket(Volume(2.20Lit Bucket(Volume(3))10Lit Bucket(Volume(4)) |            |
| Pumping time        | % of Times rate     | Volume(L) | Amount Supply(Liter) | Oil drum            | Volume(1)      | Personnel   | Volume(2)      | Personnel    | Volume(3)      | Personnel   | Volume(4)  | TOTAL(Lit) |
| $1 \sim 0$          | 0                   | 0         | 0                    | 0                   | 0              | 0           | 0              | 0            | 0              | 0           | 0  | 0          |
| 1 ~ 2               | 0                   | 0         | 0                    | 0                   |                | 0           | 0              | 0            | 0              | 0           | 0  | 0          |
| 2 ~ 3               | 0. 73               | 100       | 100                  | 0                   | 0              | ß           | 100            | 0            | 0              | 0           | 0  | 100        |
| 3 ~ 4               | 3.28                | 448       | 548                  | 0                   | 0              | 17          | 340            | တ            | 108            | ó           | , 0  | 448        |
| 4 ~ 5               | 4.86                | 663       | 1211                 | 0                   | 0              | 22          | 200            | 13           | 156            |             | 7  | 963        |
| 2.<br>0.            | 5.16                | 704       | 1915                 | 0                   | 0              | 22          | 440            | 53           | 264            | 0           | 0  | 704        |
| 2 ~ 9               | 3.74                | 510       |                      | 0                   | 0              | 17          | 340            | 13           | 156            | 63          | 14   | 510        |
| 7 ~ 8               | 5.25                | 716       | 3, 141               | 0                   | 0              | 52          | 200            | 18           | 216            |             | 0  | 716        |
| 6<br>~<br>∞         |                     | 296       |                      | 0                   | 0              | 36          | 720            | 50           | 240            | -           | 2  | 796        |
| $9 \sim 10$         | 4.94                | 674       | 4, 782               | 0                   | 0              | 33          | 099            | 0            | 0              | 2           | 14   | 674        |
| $10 \sim 11$        | 5.90                | 802       | 5, 587               | 0                   | 0              | - 29        | 580            | 17           | 204            | က           | 21   | 802        |
| $11 \sim 12$        | 5.97                | 815       |                      | 0                   | 0              | 27          | 540            | 20           | 240            | 2           | 35   | 815        |
| Sub total           |                     | 6. 402    |                      | 0                   | 0              | 236         | 4, 720         | 132          | 1, 584         | 14          | 86   | 6, 402     |
| $12 \sim 13$        | 6.03                | 823       | 7, 225               | 0                   | 0              | 31          | 620            | 14           | 168            | S.          | 35   | 823        |
| $13 \sim 14$        | 5. 79               | 790       | 8,015                | 0                   | 0              | 37          | 740            | က            | 36             | 2           | 14   | 790        |
| $14 \sim 15$        | 6.45                | 881       | 8, 896               | 0                   | 0              | 34          | 089            | 15           | 180            | တ           | 51   | 881        |
| $15 \sim 16$        | 6.40                | 873       | 9, 769               | 0                   | 0              | 99          | 009            | 12           | 252            | က           | 21   | 873        |
| $1.6 \sim 17$       | 6.02                | 822       |                      | 0                   | 0              | 27          | 540            | 50           | 240            | 9           | 42   | 822        |
| $17 \sim 18$        | 6.27                | 856       |                      | 0                   | 0              | 2.2         | 540            | 77           | 288            | <b>ঘ</b>    | 83   | 826        |
| $18 \sim 19$        | 6.10                | 832       | _                    | 0                   | 0              | 33          | 099            | 12           | 144            | 7           | 83   | 832        |
| $19 \sim 20$        | 5.11                | 869       | 12, 977              | 0                   | 0              | 33          | . 099          | 7            | 24             | 23          | 14   | 869        |
| $20 \sim 21$        | 3.90                | 532       | 13, 509              | 0                   | 0              | 56          | 520            |              | . 21           | 0           | 0  | 532        |
| $21\sim22$          | 1.03                | 140       | 13, 649              | 0                   | 0              | _           | 140            | 0            | 0              | 0           | 0  | 140        |
| $22 \sim 23$        | 0                   | 0         | 0                    | 0                   | 0              | 0           | 0              | 0            | 0              | 0           | 0  | 0          |
| $23 \sim 24$        | 0                   | 0         | 0                    | 0                   | 0              | 0           | 0              | 0            | <b>0</b>       | 0           | 0  | 0          |
| Sub total           |                     | 7, 247    |                      | 0                   | 0              | 278         | 5, 560         | 112          | 1, 344         | 53          | 203  | 7, 247     |
| TOTAL               |                     | 13, 649   |                      |                     | 0              | 514         | 10, 280        | 244          | 2, 928         | 43          | 301  | 13, 649    |
|                     |                     |           |                      |                     |                |             |                |              |                |             |  |            |

Result of Pumping Volume each Water Containers

| ) can; + to; [minos)                    | 04 Ech 1005)                |                |                      |             | . 02            | <br>        | 20                           |             | 12             |                   |  | . •        |
|---|-----------------------------|----------------|----------------------|-------------|-----------------|-------------|------------------------------|-------------|----------------|-------------------|--|------------|
| Village name R Phonph                   | 64 reu isas)<br>R. Phonphai | (2)            |                      |             | (Volume 50Lit)  | ٠           | (Volume 20Lit)               |             | (Volume 12Lit) | £)                | (Volume 7Lit   | _          |
| TITIOR TIME                             | 2                           | 1.             |                      | Oil dram(Vo | dram(Volume[1]) | 30Lit Bucke | 30Lit Bucket(Volume (2 20Lit | OLit Bucket | (Volume{3})    | 10Lit Bucke       | <pre>Bucket(Volume{3}):10Lit Bucket(Volume{4})</pre> |            |
| D. Danier time                          | of Times rate               | Volume(L)      | Amount Supply(Liter) | Oil drum    | Volume(1)       | Personnel   | Volume (2)                   | Personnel   | Volume(3)      | Personnel         | Volume(4)  | TOTAL(Lit) |
| -                                       |                             | Т              |                      | c           | 0               | 0           | 0                            | 0           | 0              | 0                 | 0  | 0          |
| - c                                     | > <                         | , c            | <b>,</b> C           | · C         | •               | 0           | 0                            | 0           | 0              | 0                 | 0  | 0          |
| 3 6                                     | 10 C                        | , ŭ            | 458                  | . –         | 20              | 18          | 360                          | 4           | 48             | . <del>**</del>   | 0  | 458        |
| )<br>4 c                                | 6.00                        | 767<br>167     | 1 189                | • •         | 20              | 30          | 009                          | ıc          | 09             | 7                 | 14   | 724        |
| о <del>-</del>                          | 4.01                        | +71<br>002     | 201,                 | . 0         | ; c             | 88          | 760                          | 18          | 216            | ო                 | 21   | 997        |
| 4. n                                    | 17.0                        | 1 000          | 3 18                 | · c         |                 | 41          | 820                          | 14          | 168            | 2                 | 14   | 1,002      |
| o t                                     | #20 G                       | 1, 002         | 4 122                | . —         | 0               | 46          | 920                          | 0           | 0              | <del>ر</del><br>د | 21   | 941        |
| - 0<br>}<br>}                           |                             | 000            | 5, 125               | · C         | , <b>c</b>      | 37          | 740                          | 14          | 168            | က                 | 21   | 929        |
| 0 0                                     | . u                         | 010            | 5, 063               |             | . 0             | 34          | 089                          | 17          | 204            | 4                 | 88   | 912        |
| 6                                       |                             | 700            | 6 753                |             | <b>—</b>        | 83          | 260                          | 82          | 216            | 7                 | 14   | 190        |
| O T                                     |                             | 000            | 7,645                | · c         |                 | 98          | 720                          | 15          | 144            | Ψ                 | <b>82</b>  | 892        |
| 11 ~ 10                                 |                             | 200            | 8. 452               |             | 0               | 56          | 520                          | 21          | 252            | 5                 | 35   | 807        |
| Coth total                              | 20.0                        | 8 459          | -l                   | 2           | 100             | 334         | 6, 680                       | 123         | 1, 476         | 28                | 196  | 8, 452     |
| - 11                                    | F 29                        | 0, 102<br>85.4 | 9 306                | 0           | 0               | 28          | 260                          | 21          | 252            | .6                | 45   | 854        |
| 7 | 20.5                        | 785            | 10 001               | 0           | 0               | 83          | 460                          | 83          | 276            | 7                 | 49   | 785        |
| * C - ( V -                             | , 4<br>8                    | 759            | 10.843               | · c         | Ç               | 53          | 280                          | 12          | 144            | Ŧ                 | <b>28</b>  | 752        |
| 14 1                                    | 00 4                        | 20.2           | 11,660               | · c         | 0               | 24          | 480                          | 24          | 288            | ~                 | 49   | 817        |
| 16 ~ 17                                 |                             | 780            | 12, 440              | 0           | 0               | 22          | 200                          | 21          | 252            | 4                 | 28   | 780        |
| 17 ~ 18                                 | _ '                         | 1.000          | 13, 440              | 0           | 0               | 38          | 760                          | 20          | 240            | 0                 | 0  | 1, 000     |
| 5 ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ | 6.27                        | 1. 104         | 14, 544              | 2           | 100             | 35          | 700                          | 17          | 204            | <u> </u>          | 0  | 1, 004     |
| 0 0 0                                   |                             | 1 139          | 15, 676              | 2           | 100             | 34          | 680                          | 21          | 252            | •                 | 0  | 1, 032     |
| 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   |                             | 384            | 16.060               | 0           | 0               | 12          | 240                          | 12          | 144            | 0                 | 0  | 384        |
| 2 C C C C C C C C C C C C C C C C C C C |                             | ; c            | 0                    | 0           | 0               | 0           | 0                            |             |                | 0                 | 0  | <u> </u>   |
| 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   | · ·                         | · =            | ; <b>c</b>           | 0           | 0               | 0           | 0                            | 0           | 0              | 0                 | 0  | 0          |
| 3 c<br>3 c<br>3 c                       | > c                         | o 'C           | · C                  | 0           | 0               | 0           | 0                            | 0           | 0              | 0                 | 0  |            |
| Sub total                               | •                           | 7, 608         |                      | 4           | 200             | 248         | 4, 960                       | 171         | 2, 052         | 82                | 196  | 7, 608     |
| TOTAL                                   |                             | 16, 060        |                      | . 9         | 300             | 582         | 11, 640                      | 294         | 3, 528         | 56                | 392.   | 16, 060    |
| À                                       |                             |                |                      |             |                 |             | 1                            |             |                |                   |  |            |

|        |   |  | (Lit)                |       | . 6   | 1, 091       | 26       | 0.7    | و      | 62                                      | -        | <del>-</del> | ယ္           |             | 83        | 6           | 4       | က်             | 897      | 64          | 96      | PO      | 0      | 7       | o.       |        |            | 91         | 874        |
|--------|---|--|----------------------|-------|-------|--------------|----------|--------|--------|---|----------|--------------|--------------|-------------|-----------|-------------|---------|----------------|----------|-------------|---------|---------|--------|---------|----------|--------|------------|------------|------------|
|        | 1-  | (Volume 8Lit) (Volume {4})   | Volume(4) TOTAL(Lit) | 0 0   | 0 0   |              |          |        |        |   |          |              | ٠.           |             | 343 9,883 |             |         | •              |          |             |         | 0 1,3   | 96 0   | 0 40    | 6 . 0    |        | 0          | 147 7, 991 | 490 17,874 |
|        |   | (Volu  | Personnel Volu       |       | 0 (   | . אי         | 9        | 6      | ₩      | 2                                       |          | ស            | ❤ (          | 6           | 49        | က           | 4       | က              | <b>-</b> | ₹           | ·.<br>• | 0       | 0      | . 0     | 0        | .0     | 0          | 21         | 70 4       |
|        | itainers                                  | (Yolume 20Lit) (Volume 15Lit) (Volume 8Li 30Lit Bucket(Volume(2 20Lit Bucket(Volume(3))10Lit Bucket(Volume(4)) | Volume(3) Pe         | 0     | 0 %   | 15.6         | 216      | 324    | 288    | 288                                     | 204      | 216          | 168          | 228         | 2, 160    | 228         | 216     | 192            | 168      | 276         | 156     | 264     | 240    | 204     | 12       | 0      | 0          | 1, 944     | 4, 104     |
|        | Water Co                                  | .it)<br>20Lit Bucket   | Personnel            | 0 -   | 0 9   | P 55         | 82       | 27     | 24     | 24                                      | 17       | 13           | 77           | 19          | 180       | 6I          | 18      | 16             | 14       | 83          | 13      | 22      | 50     | 12      | -        | 0      | 0          | 162        | 342        |
|        | t of Pumping Volume each Water Containers | (Volume 20Lit)<br>ket(Volume(2 20L   | 1 Volume(2)          | 0     | 0 2   | 040<br>800   | 940      | 920    | 540    | 260                                     | 640      | 640          | 760          | 540         | 6,880     | 260         | 240     | 460            | 089      | 160         | 840     | 940     | 720    | 200     | <b>8</b> | 0      | 0          | 5, 700     | 12, 580    |
|        | ping Volu<br>50                           | )Lit)<br>30Lit Buc   |                      | 0     | 0 0   | 17           | 47       | 46     | 27     | 58                                      | 32       | 32           | 88           | 22          | 344       | 28          | 27      | 23             | 34       | 88          | 42      | 47      | 36     | 10      | ₹        | 0      | 0          | 285        | 629        |
| Sheet] | t of Pum                                  | (Volume 50Lit)   | um Volume(1)         | 0     | 0     | 0 100        | 100      | 300    | 0      | <b>0</b>                                | 0        | 0            | 0            | 0           | 200       | 0           | 0       | 0              | 0        | 0           | 100     | 100     | 0      | 0       | 0        | 0      | 0          | 200        | 700        |
|        | Resul                                     | 0il dram   | ter) Oil dru         | 0     | 0     | <b>-</b>     | 2 6      | 9      | 0      | 0                                       | <u> </u> | 0            | 0            | 0           | 10        | 0           | 0       | 0              | 0        | 0           | 2       | 23      | 0      | 0       | 0        | 0      | 0          | 4          | 14         |
|        |   |  | Amount Supply(Li     | 0     | 0 6   | 515<br>3 703 | 3, 029   | 4,636  | 5, 492 | 6, 354                                  | 7, 205   | 8, 096       | 9, 052       | 9,883       |           | 10,692      | 11, 476 | 12, 149        | 13,046   | 14, 110     | 15, 206 | 16, 510 | 17,470 | 17, 874 | 17, 966  | •      | 0          |            |            |
|        |   | <u>i (3)</u>   | Volume(L) Amc        | 0     | 0     | 512<br>1 001 | 1. 326   | 1, 607 | 856    | 862                                     | 851      | 891          | 926          | 831         | 9, 883    | 608         | 784     | 673            | 897      | 1, 064      | 1, 096  | 1, 304  | 096    | 404     | 92       |        | 0          | 7, 991     | 17, 874    |
|        | 95 Rob 1005)                              | B. Phonphai  | of Times rate        | 0     | 0     | 3.42         | 7. 42    | 66.99  | 4.79   | 4.82                                    | 4. 76    |              | 5.35         | 4.65        |           | 4. 53       | 4.39    | 3. 77          | 5.02     | 5.95        | 6. 13   | 7. 30   | 5.37   | 2.26    | 0.51     | 0      | 0          |            |            |
|        | (Summi ing data                           | ا.ـ  | Pumping time   % c   | 0 ~ 1 | 1 ~ 2 |              | . 4.<br> | 2 ~ 6  | L ~ 9  | . 8 · · · · · · · · · · · · · · · · · · | - 6 ~ 8  | $9 \sim 10$  | $0 \sim 1.1$ | $1 \sim 12$ | Sub total | $2 \sim 13$ | 3 ~ 14  | - 1.5<br>- 1.5 | 5 ~ 16   | $3 \sim 17$ | 7 ~ 18  | 8 ~ 19  | 9 ~ 20 | 2.1     | 1 ~ 2.2  | 2 ~ 23 | $3\sim 24$ | Sub total  | TOTAL      |

| Containers                                     | 12 | /## 101 · • • 11/ |
|--|----|-------------------|
| olume each Water                               | 20 |                   |
| Result of Pumping Volume each Water Containers | 20 |                   |
|  |    |                   |
|  |    | :                 |

1, 264 947 1, 071 1, 230 1, 346 1, 381 1, 304 1, 100 872 348 (Volume 7Lit) 011 dram(Volume[1]) 30Lit Bucket(Volume(2.20Lit Bucket(Volume(3))10Lit Bucket(Volume(4)) Volume(4) 553 23 49 49 46 55 63 63 70 70 21 (Volume 12Lit) Volume [3] 180 180 168 264 288 216 180 0 Personnel 15 15 14 22 (Volume 20Lit) 580 700 720 ,020 , 020 1,060 940 940 680 840 900 880 640 Personnel 29 35 36 51 51 45 35 34 휣 44 32 (Volume 50Lit) 00100 Oil drum Amount Supply(Liter) 11,602 17, 465 18, 565 19, 437 19, 785 19,909 10, 160 12, 510 13, 447 14, 780 16, 161 9, 002 1,803 4, 408 5, 355 6, 426 7,656 10, 821 Volume(L) 19, 909 1, 346 1, 158 661 381 304 100 9,088 1, 333 071 236, 341 0, 821 781 908 937 B. Phonphai (4) (Sumpling date 26 Feb 1995) X of Times rate 5.82 6.70 6.94 6.55 5.53 3.39 5.67 6.35 4.76 5.38 3.32 Village name Pumping time  $18 \sim 19$  $22 \sim 23$  $17 \sim 18$  $19 \sim 20$  $21 \sim 22$  $111 \sim 12$  $1.2 \sim 1.3$  $13 \sim 14$  $16 \sim 17$  $20 \sim 21$  $23 \sim 24$  $\sim 10$  $14 \sim 15$  $10 \sim 11$ 6· ~ Sub total Sub total

sult of Pumping Volume each Water Containers

|                |                 |           |                      | Result of           | of Pumpi       | ng Volum    | Pumping Volume each Water |              | Containers   |              |                   |            |
|----------------|-----------------|-----------|----------------------|---------------------|----------------|-------------|---------------------------|--------------|--|--------------|-------------------|------------|
| (Sumpling time | 27 Fe           | ÷.        |                      |                     | 20             |             | 8                         |              | 12   |              | 2                 |            |
| Village name   | ne B. Phonphai  | ai (5)    |                      |                     | (Volume 50Lit) | t)          | (Volume 20Lit)            | it)          | (Volume 12Lit)                                     | (t)          | (Volume 7Lit)     | $\odot$    |
|                |                 |           |                      | 011 dram(Volume[1]) | _              | 30Lit Bucke | t(Volume{2                | 20Lit Bucket | 30Lit Bucket(Volume{2.20Lit Bucket(Volume{3)}10Lit | 10Lit Bucke1 | Bucket(Volume(4)) |            |
| Pumping time   | % of Times rate | Volume(L) | Amount Supply(Liter) | Oil drum            | Volume(1)      | Personnel   | Volume {2}                | Personnel    | Volume(3)  | Personnel    | Volume(4)         | TOTAL(Lit) |
| $0\sim 1$      | 0               | 0         | 0                    | 0                   | 0              | 0           | 0                         | 0            | 0  | 0            | 0                 | 0          |
| - 5<br>- 7     | 0               | 0         | 0                    | 0                   | 0              | 0           | 0                         | 0            | 0  | <del>0</del> | 0                 | 0          |
| s<br>2 ~ 3     | 0.94            | 194       | 194                  | 0                   | 0              | 90          | 120                       | ιC           | 90   | 7            | 14                | 194        |
| e<br>7<br>4    | 4.27            | 880       | 1, 074               | 2                   | 100            | 32          | 640                       | 7            | 84   | ∞            | 26                | 880        |
| 4 ~ 5          | 5.91            | 1, 219    | 2, 293               | 2                   | 100            | 45          | 006                       | 13           | 156  | 6            | 63                | 1, 219     |
| 2 ~ 6          | 5.80            | 1, 196    | 3, 489               | 0                   | 0              | 45          | 006                       | 50           | 240  | ∞.           | 26                | 1, 196     |
| 6 ~ 7          | 5.40            | 1, 113    | 4, 602               | 0                   | 0              | 45          | 006                       | 16           | 192  | က            | 21                | 1, 113     |
| 7 ~ 8          | 6.58            | 1, 357    | 5, 959               | 0                   | <del>0</del>   | 48          | 096                       | 63           | 348  |              | 49                | 1, 357     |
| 6 ~ 8          | 8.03            | 1,656     | 7,615                | 0                   | 0              | 29          | 1, 180                    | 83           | 420  | ∞ :          | 28                | 1, 656     |
| $9 \sim 10$    | 5.42            | 1, 117    | 8, 732               | 0                   | 0              | 45          | 840                       | 12           | 144  | 19           | 133               | 1, 117     |
| $10 \sim 11$   | 5.25            | 1, 083    | 9,815                | 0                   | 0              | 44          | 880                       | 14           | 168  | <b>ស</b>     | 35                | 1, 083     |
| $11 \sim 12$   | 3.34            | 889       | 10, 503              | 0                   |                | 28          | 260                       | 9            | 72   | 8            | 56                | 688        |
| Sub total      |                 | 10, 503   |                      | 4                   | 200            | 394         | 7,880                     | 157          | 1,884  | 77           | 539               | 10, 503    |
| $12 \sim 13$   | 5.69            | 1, 173    | 11, 676              | 0                   | 0              | 43          | 860                       | 22           | 264  | 7            | 49                | 1, 173     |
| $13 \sim 14$   | 5.26            | 1, 085    | 12, 761              | 0                   | 0              | 43          | 860                       | 17           | 504  | က            | . 21              | 1,085      |
| $14 \sim 15$   | 4.46            | 920       | 13, 681              | 0                   | 0              | 41          | 820                       | 9            | 72   | 4            | 82                | 920        |
| $15 \sim 16$   | 6.61            | 1, 363    | 15,044               | 0                   | 0              | 22          | 1, 100                    | 12           | 144  | 17           | 119               | 1, 363     |
| 16~17          | 6.48            | 1, 337    | 16,381               | 2                   | 100            | 44          | 880                       | 21           | 252  | 15           | 105               | 1, 337     |
| 17 ~ 18        | 5.61            | 1, 156    | 17, 537              | 0                   | 0              | 43          | 860                       | 50           | 240  | ∞.           | 26                | 1, 156     |
| $1.8 \sim 19$  | 5.09            | 1,049     | 18, 586              | 0                   | 0,             | 38          | 760                       | 0X           | 240  | 7            | 49                | 1,049      |
| 19 ~ 20        | 5.48            | 1, 129    | 19, 715              | 0                   | 0              | 39          | 780                       | 32           | 300  | 2            | 49                | 1, 129     |
| $20 \sim 21$   | 3.63            | 748       | 20, 463              | 0                   | 0              | 58          | 280                       | 14           | 168  | O.           | 0                 | 748        |
| $21 \sim 22$   | 0.76            | 156       | 20,619               | 0                   | 0              | 9           | 120                       | က            | 38   | 0            | 0                 | 156        |
| $22 \sim 23$   | 0               | •         | 0                    | 0                   | 0              |             | 0                         | . 0          | 0  | 0            |                   | 0          |
| $23 \sim 24$   | 0               | 0         | 0                    | 0                   | 0              | 0           | 0                         | 0            | 0  | 0            | <u>.</u>          | 0          |
| Sub total      |                 | 10, 116   |                      | 2                   | 100            | 375         | 7, 500                    | 157          | 1,884  | 89           | 476               | 10, 116    |
| TOTAL          |                 | 20,619    |                      | 9                   | 300            | 692         | 15, 380                   | 314          | 3, 768   | 145          | 1, 015            | 20, 619    |

|                                |         |      | Recult of | Primoji  | ng Volum           | le each 1      | of Pumning Volume each Water Containers | ntainers                          |  |                               |            |
|--------------------------------|---------|------|-----------|----------|--------------------|----------------|---|-----------------------------------|--|-------------------------------|------------|
|                                |         |      |           | r umpti  | 118 101UI          | 20             | מונה המ                                 | 12                                | ٠.   | _                             |            |
| Phonphai (6)                   |         |      | (Yolume ) | 50Li     | it)<br>30Est Bucke | (Volume 20Lit) | it)<br>20Lit Bucke1                     | (Volume 12Lit)<br>t(Volume{3}}:10 | t) (Volume 20Lit) (Volume 12Lit) (Volume 7Li<br>30Lit Bucket(Volume(2) 20Lit Bucket(Volume(3)) 10Lit Bucket(Volume(4)) | (Volume 7Lit)<br>t(Volume{4}) | $\circ$    |
| Volume(I.) Amount Supply(Liter |         | 11 ( | 0il drum  | <u> </u> | Personnel          | Volume{2}      | Personnel                               | Volume{3}                         | Personnel  | Volume{4}                     | TOTAL(Lit) |
|                                |         |      | 0         | 0        | 0                  | 0              | 0                                       | 0                                 | 0  | 0                             | 0          |
| 0                              | 0       |      | 0         | 0        | 0                  | 0              | 0                                       | 0                                 | 0  | 0                             | 0          |
| 500 500                        | 200     | :    | 0         | 0        | 10                 | 380            | 10                                      | 120                               | 0  | 0                             | 200        |
|                                | 1396    |      | 0         | 0.       | 37                 | 740            | 13                                      | 156                               | 0  | <b>0</b>                      | 968        |
|                                | 2, 822  |      | 2         | 100      | 21                 | 1,020          | 22                                      | 264                               | 90   | 42                            | 1, 426     |
| 1, 294 4, 116                  | 4, 116  |      | 0         | 0        | 47                 | 940            | 58                                      | 312                               | 9  | 45                            | 1, 294     |
|                                | 5, 689  |      | 0         | 0        | 09                 | 1, 200         | 27                                      | 324                               | <b>-</b>   | 49                            | 1, 573     |
| <u>.</u>                       | 7, 033  |      | 0         | 0        | 52                 | 1,040          | x                                       | 276                               | <del>V</del>   | 88                            | 1,344      |
|                                | 8, 080  |      | 0         | 0        | 41                 | 820            | 16                                      | 192                               | ĽЭ   | S                             | 1, 047     |
| 818 8 898                      | 8,898   |      | . 0       | 0        | 34                 | 089            | ∞                                       | 96                                | 9  | 42                            | 818        |
|                                | 9, 764  |      | 0         | 0        | ਲ                  | 089            | 12                                      | 144                               | 9  | 42                            | 998        |
| 10,                            |         |      | 0         | 0        | 35                 | 700            | 16                                      | 192                               | 4  | 82                            | 920        |
| 10, 684                        |         | _    | 2         | 100      | 410                | 8, 200         | 173                                     | 2, 076                            | 44   | 308                           | 10, 684    |
| 11,                            | 11, 427 | 17   | 0         | 0        | 30                 | 900            | 6                                       | 108                               | ഗ  | 33                            | 743        |
| 1, 245 12, 672                 |         |      | 0         | 0        | 48                 | 096            | 22                                      | 264                               | က  | 21                            | 1, 245     |
| 1, 136 13, 808                 |         |      | 0         | 0        | 46                 | 920            | 82                                      | 216                               | <u> </u>   | 0                             | 1, 136     |
| 14,                            |         |      | 0         | 0        | 45                 | 006            | 18                                      | 216                               | ₹.   | 83                            | 1, 144     |
| 1, 386 16, 338                 |         |      | 0         |          | 54                 | 1, 080         | 23                                      | 264                               | 9  | 45                            | 1, 386     |
| 17,                            |         |      | 0         | 0        | 20                 | 1, 000         | ដ                                       | 180                               | <b>-</b>   | <b>-</b>                      | 1, 180     |
| 18,                            |         |      | 2         | 100      | 4]                 | 820            | 24                                      | 288                               | 0  | 9                             | 1, 208     |
| 19,                            |         |      | 0         | 0        | 43                 | 860            | 4                                       | 48                                | 0  | 0                             | 806        |
| 20,                            |         |      | 0         | 0        | 33                 | 760            | ß                                       | 09                                | 0  | 0                             | 820        |
| 24 20, 478                     |         |      | 0 -       | 0        | 0                  | 0              | 2                                       | 24                                | <b>~</b>   | 0                             | <b>7</b> 7 |
| 0 0                            | . 0     |      | 0         | 0        | 0                  | <del>O</del>   | •                                       | 0                                 | <b>-</b>   | 0                             | 0          |
| 0 0                            | 0       |      | 0         | 0        | 0                  | 0              | 0                                       | 0                                 | 0  | 0                             | 0          |
| 9, 794                         |         |      | 2         | 100      | 395                | 7, 900         | 137                                     | 1,644                             | 18   | 126                           | 9, 794     |
| 20, 478                        |         |      | 4         | 200      | 805                | 16, 100        | 310                                     | 3, 720                            | 62   | 434                           | 20, 478    |
|                                |         | 1    |           |          |                    |                |   |                                   |  |                               |            |

|     |   |               |                |  | TOTAL(Lit)       | 0         | 0       | 532   | 890    | 1,461        | 1, 209 | 1, 109 | 1, 395 | 1, 553   | 1, 079      | 1, 160       | 280          | 10,668    | 1, 034  | 1, 178       | 1, 313       | 1, 578       | 1, 678       | 1,417   | 1, 126  | 1, 068       | 652          | 36         | 0            | 0            | 11, 080   | 21, 748 |   |
|-----|---|---------------|----------------|--|------------------|-----------|---------|-------|--------|--------------|--------|--------|--------|----------|-------------|--------------|--------------|-----------|---------|--------------|--------------|--------------|--------------|---------|---------|--------------|--------------|------------|--------------|--------------|-----------|---------|---|
|     |   | 7             | (Volume 7Lit)  | t(Volume{4})   | Volume(4)        | 0         | 0       | 28    | 42     | 49           | 21     | 21     | 16     | 161      | 32          | 26           | 28           | 532       | 10      | 70           | 11.          | 20           | 45           | 21      | 14      | 0            | 0            | 0          | Ö            | 0            | 364       | 968     |   |
|     |   |               | t)             | 10Lit Bucke  | Personnel        | 0         | 0       | Ť     | 9      |              | က      | က      | 13     | ES       | ري<br>دي    | ∞            | 4            | 76        | 10      | 10           | 11           | 10           | 9            | ന       | 7       | 0            | 0            | 0          | Ö            | 0            | 52        | 128     |   |
|     | of Pumping Volume each Mater Containers | . 15          | (Volume 15Lit) | 30Lit Bucket(Volume(2.20Lit Bucket(Volume(3))10Lit Bucket(Volume(4)) | Volume(3)        | 0         | 0       | 144   | 168    | 132          | 168    | 168    | 144    | 225      | 144         | 264          | 252          | 2, 136    | 204     | 288          | 396          | 348          | 336          | 276     | 192     | 108          | 72           | 36         | 0            | 0            | 2, 220    | 4, 356  |   |
| - ( | ater Co                                 |               | (1)            | OLit Bucket  | Personnel        | 0         | 0       | 13    | 14     | =            | 14     | 14     | 12     | 46       | 12          | 7.7          | 21           | 178       | 17      | 24           | 33           | 53           | 87           | 23      | 16      | <b>5</b>     | 9            | က          | 0            | 0 .          | 185       | 363     |   |
|     | e each                                  | 02            | (Volume 20Lit) | t(Volume(2.2   | Volume(2)        | 0         | 0       | 360   | 089    | 980          | 1,020  | 920    | 1, 160 | 840      | 006         | 840          | 0            | 7, 700    | 160     | 820          | 840          | 1, 160       | 1,300        | 1,020   | 820     | 760          | 280          | 0          | 0            | 0            | 8, 060    | 15, 760 |   |
|     | ng Volum                                |               | it)            | 30Lit Bucke  | Personnel        | 0         | 0       | 38    | 34     | 49           | 51     | 46     | 28     | 42       | 45          | 42           | <del>0</del> | 385       | 38      | - F          | 42           | 28           | 65           | 21      | 41      | 38           | . 29         | 0          | 0            | 0            | 403       | 788     | 9 |
|     | of Pumpi                                | . 20          | (Volume 50Lit) | dram(Volume[1])  | Volume(1)        | 0         | 0       | 0     | 0      | 300          | 0      | 0      | 0      | 0        | 0           | 0            | 0            | 300       | 0       | 0            | 0            | 0            | 0            | 100     | 100     | 200          | 0            | 0          | 0            | 0            | 400       | 700     |   |
|     | Result                                  |               |                | 0il dram(V   | Oil drum         | 0 -       | 0       | 0     | 0      | 83           | 0      | 0      | 0      | 0        | 0           | 0            | 0            | 2         | 0       | 0            | 0            | 0            | 0            | 2       | 2       | 4            | 0            | 0          | 0            | 0            | 8         | 10      |   |
|     |   |               |                |  | nt Supply(Liter  | 0         | 0       | 532   | 1, 422 | 2, 883       | 4, 092 | 5, 201 | 6, 596 | 8, 149   | 9, 228      | 10, 388      | 10,668       |           | 11, 702 | 12,880       | 14, 193      | 15, 771      | 17, 449      | 18, 866 | 19, 992 | 21, 060      | 21, 712      | 21, 748    | 0            | 0            |           |         |   |
|     |   |               | <u> </u>       |  | Volume(L) Amount | . (       |         | 532   | 068    | 1.461        | 1, 209 | 1, 109 | 1, 395 | 1, 553   | 1, 079      | 1, 160       | 280          | 10, 668   | 1, 034  | 1, 178       | 1, 313       | 1, 578       | 1, 678       | 417     | 1, 126  | 1, 068       | 652          |            |              |              | 11, 080   | 748     |   |
|     |   | 95            | Phonphai (7)   | - 14   | rate Volum       |           |         | čií   |        | <u></u>      |        | H      |        | <u>.</u> |             |              | ~~           | 10,       | 1 (     | _            |              |              | <u></u>      |         |         |              |              | <u></u>    |              |              | 11,       | 21,     |   |
|     |   | 1 March 1995  | B.             |  | % of Times ra    | 0         | 0       | 2.45  | 4.09   | 6. 72        | 5.56   | 5. 10  | 6.41   | 7.14     | 4.96        | 5.33         |              |           | 4. 75   | 5, 42        | 6.04         | 7, 26        | 7. 72        | 6.52    | 5. 18   | 4.91         | 3.00         | 0.17       | 0            | 0            |           |         |   |
|     |   | Sumpling date | Village name   |  | Pumping time     | $0\sim 1$ | . T ~ 2 | 2 ~ 3 | 3 ~ 4  | 4<br>√<br>50 | 5 ~ 6  | L ~ 9  | 2 ~ 8  | 6 ~<br>∞ | $9 \sim 10$ | $10 \sim 11$ | $11 \sim 12$ | Sub total |         | $13 \sim 14$ | $14 \sim 15$ | $15 \sim 16$ | $16 \sim 17$ | 17 ~ 18 | 18 ~ 19 | $19 \sim 20$ | $20 \sim 21$ | $21\sim22$ | $22 \sim 23$ | $23 \sim 24$ | Sub total | TOTAL   |   |

|   |                            |           |                      | Resu      | ilt of Pu            | W gnidm     | Result of Pumping Volume each Village | Village     |                         |                         |               |            |  |
|---|----------------------------|-----------|----------------------|-----------|----------------------|-------------|---------------------------------------|-------------|-------------------------|-------------------------|---------------|------------|--|
| ปรกช dat  | Jing date 23 / Feb / 1995) | 1995)     |                      |           | 09                   | . 0         | 25                                    |             | 15                      |                         | <b>∞</b>      |            |  |
| שמש שמש   | me B Houn-Tai              | -Tai (1)  |                      | :         | (Volume 60Lit)       | Lit)        | (Volume 25Lit)                        |             | (Volume 15Lit)          | t                       | (Volume 8Lit) | ^          |  |
|   |                            |           |                      | Oil dram  | Oil drama(Volume[1]) |             | 30Lit Bucket(Volume(2))               | 20Lit Bucke | 20Lit Bucket(Volume(3)) | 10Lit Bucket(Volume{4)) | (Volume{4})   |            |  |
| nor time  | % of Times rate            | Volume(L) | Amount Supply(Liter) | Personnel | Volume(1)            | Personnel   | Volume{2}                             | Personnel   | Volume(3)               | Personnel               | Volume(4)     | TOTAL(Lit) |  |
| 1 -   |                            | U         | C                    | c         | 0                    | 0           | 0                                     | 0           | 0                       | 0                       | 0             |            |  |
| 1 6   | •                          | > =       | > C                  | · -       | 0                    | 0           | 0                                     | 0           | 0                       | 0                       | 0             | 0          |  |
| 4 0   | > <                        | > <       | > =                  | · c       |                      | 0           | 0                                     | 0           | 0                       | 0                       | 0             | 0          |  |
| ?<br>} }  | <b>&gt;</b> C              | <b>-</b>  | > c                  | · c       | · -                  | . 0         | 0                                     | 0           | 0                       | 0                       | 0             | 0          |  |
| , i   | 9 o                        | 450       | 450                  |           | · c                  | <u>. 12</u> | 375                                   | ĸ           | 75                      | .0                      | 0             | 450        |  |
| ე წ   | ن ر<br>1 - 7<br>1 - 7      | 1 000     | 1479                 | _         |                      | 35.5        | 875                                   | വ           | 75                      | 6                       | 72            | 1, 022     |  |
| ) t-  | 7.76                       | 1 109     | 9 581                | · =       | 0                    | 34          | 850                                   | <u>8</u>    | 195                     | <b>∞</b>                | 64            | 1, 109     |  |
| - α   | ?                          | 1, 103    | 888                  | · c       | · c                  | 45          | 1125                                  | 10          | 150                     | 4                       | 32            | 1, 307     |  |
|   | - 1-4<br>V - F0            | 1, c      | 4 546                |           | 0                    | 50          | 200                                   | 10          | 150                     | _                       | ∞             | 658        |  |
| , <u>c</u>  | }                          | 1 150     | 5, 696               | · .       | 0                    | 40          | 1000                                  | 10          | 150                     |                         | 0             | 1, 150     |  |
|   | † 75<br>• • •              | 050       | 6,686<br>6,646       | ·         | . 0                  | 32          | 800                                   | 10          | 150                     | 0                       | <b>~</b>      | 920        |  |
| 1 6   | 7 59                       | 1 075     | 7 791                | ·         | · c                  | 75          | 850                                   | 15          | 225                     | 0                       | 0             | 1,075      |  |
| 10101   |                            | 7 791     | 171,1                | 6         | 0                    | 255         | 6, 375                                | 78          | 1, 170                  | 22                      | 176           | 7, 721     |  |
|   | 2 55                       | 208       | 8 229                | 0         | 0                    | 14          | 350                                   | 10          | 150                     | -                       | ∞             | 508        |  |
| ) (   |                            | 201       | 027 8                | · c       | • <b>c</b>           | 50          | 200                                   | 25          | 55                      | 83                      | 16            | 591        |  |
| # \c  | 4. LU                      | 150       | 020 %                | · c       | · C                  | · •         | 150                                   | 0           | 0                       | 0                       | 0             | 150        |  |
| 2 4   | 1. 05<br>9. 10             | 21.9      | 0.00                 | · .c      |                      | . 01        | 250                                   | _           | 15                      | æ                       | 48            | 313        |  |
| ~   | 61 . x                     | 1 159     | 10, 435              | · •       | 0                    | 93          | 750                                   | 22          | 330                     | g,                      | 72            | 1, 152     |  |
| - ∝<br>- ~  | 20 CE                      | 1, 520    | 11, 955              | _         | 0                    | 20          | 1250                                  | 18          | 270                     | 0                       | 0             | 1, 520     |  |
|   | 60 ·9                      | 1,000     | 12, 955              | 0         | 0                    | .31         | 775                                   | 15          | 225                     | 0                       | 0             | 1, 000     |  |
| - O O   | 60 .9<br>90                | 006       | 13.855               | 0         | 0                    | 8           | 750                                   | 10          | 150                     | 0,                      | 0             | 006        |  |
| ~ · ·   |                            | 445       | 14, 300              | _         | 0                    | 16          | 400                                   | ണ           | 45                      | 0                       | 0             | 445        |  |
| · · ·   |                            | -         |                      | _         | 0                    | 0           | 0                                     | 0           | 0                       | 0                       | 0             | 0          |  |
| 1 0   | 0                          | > c       | · ·                  | ·         | 0                    | 0           | 0                                     | 0           | 0                       | 0                       | <b>⇔</b>      | 0          |  |
| \<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\ | <b>&gt;</b> C              | · -       | <b>&gt;</b> C        |           | · <del>-</del>       | 0           | 0                                     | 0           | 0                       | 0                       | 0             | 0          |  |
| total   | >                          | 6 579     |                      | -<br>Г    | 0                    | 207         | 5, 175                                | 84          | 1, 260                  | 18                      | 144           | 6, 579     |  |
| 14.10   |                            | 14 200    |                      | c         | 0                    | 462         | 11.550                                | 162         | 2, 430                  | 40                      | 320           | 14, 300    |  |
| UIAL  |                            | 1#, ono   |                      | ,         | ,                    |             | *** ***                               |             |                         |                         |               |            |  |

Result of Pumping Volume each Village

|                             | ~               |                                     | TOTAL(Lit)          | 0  | 0   | 0    | 617       | 1, 560 | 1, 765                 | 1, 143    | 913     | 935      | 1, 283                                  | 839   | 1, 538  | 10, 593   | 1, 138     | 1, 036     | 1, 372 | 1, 121    | 1, 257  | 1, 445         | 1, 295                 | 1, 030       | 585    | 0         | 0         | 0   | 10, 279 | 20, 872 |
|-----------------------------|-----------------|-------------------------------------|---------------------|----|-----|------|-----------|--------|------------------------|-----------|---------|----------|---|-------|---------|-----------|------------|------------|--------|-----------|---------|----------------|------------------------|--------------|--------|-----------|-----------|-----|---------|---------|
| <b>∞</b>                    | (Volume 8Lit)   | t(Volume{4})                        | Volume{4}           | 0  | 0   | 0    | 192       | 240    | 480                    | 128       | 48      | 160      | 88                                      | 104   | 128     | 1, 568    | 48         | 26         | 33     | 26        | 32      | 0              | 0                      | 0            | 0      | 0         | 0         | 0   | 224     | 1, 792  |
|                             | _               | 10Lit Bucket(Volume(4))             | Personnel           | 0, | 0   | 0    | 24        | 30     | 09                     | 16        | 9       | 20       | ======================================= | 13    | 16      | 196       | 9          | <b>r</b> - | 4      | 7         | ਚ       | 0              | 0                      | 0            | 0      | 0         | 0         | 0   | 88      | 224     |
| 15                          | (Volume 15Lit)  | <pre>20Lit Bucket(Volume{3}).</pre> | Volume(3)           | 0  | 0   | 0    | 300       | 570    | 099                    | 390       | 380     | 300      | 270                                     | 360   | 210     | 3, 450    | 390        | 405        | 615    | 465       | 009     | 495            | 420                    | 180          | 285    | 0         | 0         | 0   | 3, 855  | 7, 305  |
|                             |                 | 20Lit Buck                          | Personnel           | 0  | 0   | 0    | 20        | 38     | 44                     | 92        | 56      | 20       | <u>&amp;</u>                            | 54    | 14      | 230       | <b>3</b> 9 | 27         | 41     | 31        | 40      | 33             | 82                     | 12           | 19     | 0         | 0         | 0   | 257     | 487     |
| 25                          | (Volume 25Lit)  | 30Lit Bucket(Volume(2))             | Volume(2)           | 0  | 0   | 0    | 125       | 750    | 625                    | 625       | 475     | 475      | 925                                     | 375   | 1, 200  | 5, 575    | 200        | 575        | 725    | 900       | 625     | 950            | 875                    | 850          | 300    | 0         | 0         | 0   | 6, 200  | 11, 775 |
| 0                           |                 | 30Lit Bucke                         | Personnel           | 0  | 0   | 0    | រ៉េ       | 30     | 22                     | 52        | 16      | 19       | 37                                      | 15    | 48      | 223       | 28         | 23         | 53     | 24        | 22      | 38             | 35                     | 34           | 12     | 0         | 0         | 0   | 248     | 471     |
| 09                          | (Volume 60Lit)  | drama(Volume[1])                    | Volume(1)           | 0  | 0   | 0    | 0         | 0      | 0                      | 0         | 0       | <b>-</b> | 0                                       | 0     | 0       | 0         | 0          | 0          | 0      | 0         | 0       | 0              | 0                      | 0            | 0      | 0         | 0         | 0   | 0       | 0       |
|                             |                 | 0il drama                           | Personnel           | 0  | 0   | 0    | 0         | 0      |                        | 0         | 0       | 0        | 0                                       | 0     | 0       | 0         | 0          | · · ·      | 0      | 0         | 0       | 0              | 0                      | 0            | 0      | 0         | 0         | 0   | °       | 0       |
|                             |                 |                                     | Amount Supply(Liter | 0  | 0   | 0    | 617       | 2, 177 | 3, 942                 | 5,085     | 5, 998  |          | 8.216                                   | 0.055 | 10, 593 | .1        | 11. 731    | 12, 767    | -      |           | 16, 517 | 17, 962        | 19, 257                |              | . –    | 0         | 0         | . 0 |         |         |
|                             | Tai (2)         |                                     | Volume(L)           | C  |     |      | 617       | 1.560  | 1 765                  | 1 143     | 613     | 935      | 783                                     | 830   | 538     | 10 593    | 1 138      | 1 036      | 1, 372 | 1, 121    | 1. 257  | 1, 445         | 1, 295                 | 1.030        | 585    | · ·       | · c       | , c | 10.279  | 20, 872 |
| (Sampling date 24 Feb 1995) | ame B. Houn-Tai |                                     | % of Times rate     | ٥  | · · | · c  | 96 6      | 7.47   | 8 46                   | 7. r.     | 4.37    |          | 5 - 12                                  | 4 03  |         |           | 5.45       | 4 06       |        | 5.37      | 6.02    | 5.<br>9.<br>9. | 6.20                   | 4 93         |        | )<br>i    | > =       | · · |         |         |
| (Sampling da                | Village name    |                                     | Pumping time        |    | ~ ~ | · «· | ) √1<br>~ | 5 4    | , rc<br>,<br>,<br>, cc | ) (~<br>} | · « ~ ~ | )        | ) C .                                   |       | 1 0     | Cub total | - 11       | 7 - 7      |        | 1.5 ~ 1.6 | 16 ~ 17 | $17 \sim 18$   | $\frac{1}{18} \sim 19$ | $19 \sim 20$ | 20 ~ 2 | 2 1 ~ 2 2 | 5 0 ~ 6 G |     | ub tot  | TOTAL   |

|                         |              |             |                      | Result               | Result of Pumping Volume | g Volume each          | h Village |                         |                         | •             |            |
|-------------------------|--------------|-------------|----------------------|----------------------|--------------------------|------------------------|-----------|-------------------------|-------------------------|---------------|------------|
| (Sampling date 25 F     | 25 Feb 1995) | ~           |                      |                      | 96                       |                        | 25        | 15                      |                         | ∞.            |            |
|                         | Houn-Tai     | Tai (3)     |                      | 5                    | (Volume 60Lit)           | (Volume 25Lit)         | ·         | (Volume 15Lit)          |                         | (Volume 8Lit) |            |
| 1.0                     |              |             |                      | Oil drama(Volume[1]) |                          | 30Lit Bucket(Volume{2} | ~         | 20Lit Bucket(Volume{3}) | 10Lit Bucket(Volume(4)) | (Volume(4))   |            |
| Pumping time % of Times | es rate      | Volume(L)   | Amount Supply(Liter) | Personnel            | Volume{1}   Personnel    | nnel Volume(2)         | Personnel | Volume(3)               | Personnel               | Volume(4)     | TOTAL(Lit) |
| 1                       |              | 0           | 0                    | 0                    | 0 . 0                    | 0                      | 0         | 0                       | 0                       | 0             | 0          |
| $1\sim 2$               |              | 0           | 0                    | 0                    | 0                        | 0                      | 0         | 0                       | 0                       | 0             | 0          |
| 2 ~ 3                   |              |             | 0                    | 0                    | 0 0                      | 0                      | 0         | 0                       | 0                       | 0             | . 0        |
| 3 ~ 4                   |              | 0           | 0                    | 0                    | 0 0                      | 0                      | 0         | 0                       | 0                       | 0             | 0          |
| 4 ~ 5   0.0             |              | 0           | 0                    | . 0                  | 0 0                      | 0                      | 0         | 0                       | 0                       | 0             | 0          |
| 5 ~ 6 13.4              | <u> </u>     | 407         | 407                  | 2                    | 120 2                    | <u>S</u>               | Ξ         | 165                     | 6                       | 72            | 407        |
| 6 ~ 7                   | ļ.           | 7           | 521                  | 0                    | 0 0                      | 0                      | 9         | 6                       | က                       | 24            | 114        |
| 7 ~ 8 4.                | , iç         | 126         | 647                  | 0                    | 0                        | 52                     | ຕາ        | 45                      | 7                       | 56            | 126        |
| 8 ~ 9 5.76              |              | 175         | 822                  | <b>.</b>             | 0                        | 100                    | ເດ        | 75                      | 0                       | 0             | 175        |
|                         |              | 249         | 1. 071               | -                    | 60 2                     | 20                     | ເດ        | 75                      | <b>∞</b> .              | 64            | 249        |
| ~ 11                    | · •          | 238         | 1, 309               | _                    | 60 4                     | 100                    | 63        | 30                      | ဗာ                      | 48            | 238        |
| ~ 12 4.                 | 12           | 125         | 1, 434               | 0                    | 0 2                      | 20                     | ស         | 75                      | 0                       | 0             | 125        |
|                         |              | 1, 434      |                      | \<br>\<br>\<br>\     |                          | 5 375                  | 37        | 555                     | 33                      | 264           | 1, 434     |
|                         | 0            | 0           | 1, 434               | 0                    | 0 0                      | 0                      | 0         | 0                       | 0                       | 0             | 0          |
| ~ 14                    | ام           | 295         | 1, 729               | 2                    | 120 3                    | 75                     | 4         | 90                      | ß                       | 40            | 295        |
| 14 ~ 15 3.66            | 99           | ;<br>;<br>; | 1,840                | 0                    | 0                        | 25                     | 2         | 930                     | 2                       | 26            | 111        |
| $ 15 \sim 16 $ 12.55    | 55           | 381         | 2, 221               | 0                    | 0                        | 150                    | 6         | 135                     | 12                      | 96            | 381        |
| $ 1.6 \sim 1.7 $ 11.63  | 63           | 353         | 2, 574               | -                    | 60                       | 125                    | œ         | 120                     | 9 .                     | 48            | 353        |
| $ 17 \sim 18 $ 12.09    | 60           | 367         | 2, 941               | 0                    | 0                        | 75                     | 12        | 180                     | 14                      | 112           | 367        |
| $18 \sim 19$ 3.13       | 65           | 92          | 3, 036               |                      | 0                        | 20                     | က         | 45                      | 0                       | 0             | 92         |
| $1.9 \sim 2.0$ 0.00     | 0            | 0           | 0                    | 0                    | 0                        | 0                      | 0         | 0                       | 0                       | 0             | 0          |
| $20 \sim 21 \qquad 0$   |              | 0           | 0                    | 0                    | 0                        | 0                      | 0         | . 0                     | 0                       | 0             | 0          |
| $21 \sim 22$ 0          |              | 0           | 0                    | 0                    | 0                        | 0                      | 0         | 0                       | 0                       | 0             | 0          |
| $22 \sim 23$ 0          |              | 0           | 0                    | 0                    | 0                        | 0                      | 0         | 0                       | 0                       | 0             | •          |
| $ 23 \sim 24 $          |              | 0           | 0                    | 0                    | 0                        | 0 (                    | 0         | Ö                       | 0                       | 0             | o o        |
| Sub total               |              | 1,602       |                      | 65                   | 180 20                   | 0 500                  | 38        | 570                     | 44                      | 352           | 1, 602     |
| TOTAL                   |              | 3, 036      |                      | 7                    | 420 35                   | 5 875                  | 75        | 1, 125                  | 7.7                     | 616           | 3, 036     |
|                         |              |             |                      |                      |                          |                        |           |                         |                         |               |            |

|                             |                             |                |                                    |                      |            |            |       |      |       |       |       |           |       |               | •            |               |           |              |              |              |              |              |              |              |              |              |              |              |              |           |        |
|-----------------------------|-----------------------------|----------------|------------------------------------|----------------------|------------|------------|-------|------|-------|-------|-------|-----------|-------|---------------|--------------|---------------|-----------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------|--------|
|                             |                             |                |                                    | TOTAL(Lit)           | 0          | 0          | 0     | 0    | 0     | 267   | 214   | 72        | 15    | -<br>88<br>88 | 158          | 55            | 698       | 114          | 194          | 179          | 381          | 412          | 231          | 83           | 0            | 0            | 0            | 0            | 0            | 1, 594    | 2, 463 |
|                             | <b>∞</b>                    | (Volume &Lit)  | (Volume(4))                        | Volume{4}            | 0          | 0          | 0     | 0    |       | 32    | 24    | 32        | 0     | <b>∞</b>      | 48           | 0             | 144       | 64           | 24           | 24           | 999          | 32           | 56           | <b>∞</b>     | 0            | 0            | O.           | 0            | <b>0</b> ,   | 264       | 408    |
|                             |                             | ÷              | <pre>10Lit Bucket(Volume(4))</pre> | Personnel            | 0          | 0          | 0     | 0    | .0    | 4     | က     | 4         | 0     |               | 9            | 0             | 18        | 8            | ಣ            | က            | 7            | 4            | 2            | <del></del>  | 0            | 0            | 0            | 0            | •            | 33        | 51     |
|                             | 15                          | (Volume 15Lit) | 20Lit Bucket(Volume(3))            | Volume(3)            | 0          | 0          | 0     | 0    | 0     | 75    | 06    | 15        | . 15  | 30            | 0            | 30            | 255       | 0            | 45           | 30           | . 105        | 105          | 75           | 0            | 0            | 0            | 0            | 0            | 0            | 360       | 615    |
| n Village                   | )                           |                | _                                  | Personnel            | 0          | 0          | 0     | 0    | 0     | 2     | 9     | , <b></b> | -     | 2             | 0            | 2             | 17        | 0            | က            | 2            | t-           | 2            | ß            | 0            | 0            | 0            | 0            | 0            | 0            | 24        | 41     |
| Pumping Volume each Village | 25                          | (Volume 25Lit) | 30Lit Bucket(Volume(2))            | Volume(2)            | 0          | 0          | 0     | 0    | 0     | 100   | 100   | 53        | 0     | 20            | 20           | 25            | 350       | 20           | 125          | 125          | 100          | 275          | 100          | 55           | 0            | 0            | 0            | 0            | 0            | 850       | 1, 200 |
| umping Ve                   | 99                          | Lit)           |                                    | Personnel            | 0          | 0          | 0     | 0    | 0     | 77    | •     | -         | 0     | 63            | 2            | . 1           | 14        | 2            | ເດ           | ഗ            | 4            | =            | ₹            | ണ            | 0            | 0            | 0            | 0            | 0            | 34        | 48     |
| t of                        |                             | (Volume 60Lit) | ma(Volume[1])                      | el Volume{1}         | 0          | 0          | 0     | 0    | 0     | 09    | 0     | 0         | 0     | 0             | <b>39</b>    | 0             | 120       | 0            | 0            | 0            | 120          |              | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 120       | 240    |
| Resu                        |                             | ٠.             | Oil drama(                         | iter) Personnel      | 0          | _          | 0     | 0    | 0     |       | -     |           | -     | _             |              | 0             | 2         | 0            | -            |              | 2            | 0            | 0            | 0            | _            | -            | _            | 0            | °            | 2         | 4      |
|                             |                             |                |                                    | Amount Supply(Liter) | 0          | 0          | 0     | 0    | 0     | 267   | 481   | 553       | 568   | 656           | 814          | 869           |           | 688          | 1, 177       | 1, 356       | 1, 737       | 2, 149       | 2, 380       | 2, 463       | 0            | 0            | 0            | 0            | 0            |           |        |
|                             | 3)                          | -Tai (4)       |                                    | Volume(L)            | 0          | 0          | 0     | 0    | 0     | 267   | 214   | 72        | Z.    | 88            | 158          | 55            | 698       | 114          | 194          | 179          | 381          | 412          | 231          | 83           | 0            | 0            | 0            | 0            | 0            | 1, 594    | 2, 463 |
|                             | 26 Feb 199                  | B. Houn-Tai    |                                    | of Times rate        | 0          | 0          | 0     | 0.00 | 0.00  | 10.84 | 8.69  | 2.92      | 0.61  | 3.57          | 6.41         | 2. 23         |           | 4.63         | 7.88         | 7.27         | 15.47        | 16. 73       | 9.38         | 3.37         | 0.00         | 0            | 0            | 0            | 0            |           |        |
|                             | (Sampling date 26 Feb 1995) | Village name   |                                    | Pumping time %       | $0 \sim 1$ | $1 \sim 2$ | 2 ~ 3 | ~ ⇔  | 4 ~ 5 | 5 ~ 6 | L ~ 9 | 8 ~ 2     | 6 ~ & | $9 \sim 10$   | $10 \sim 11$ | $111 \sim 12$ | Sub total | $12 \sim 13$ | $13 \sim 14$ | $14 \sim 15$ | $15 \sim 16$ | $16 \sim 17$ | $17 \sim 18$ | $18 \sim 19$ | $19 \sim 20$ | $20 \sim 21$ | $21 \sim 22$ | $22 \sim 23$ | $23 \sim 24$ | Sub total | T0TAL  |

|                         |                 |           |                      | Resul                | Result of Pumping Volume each Village | ng Vol     | ume each                | Village           |                         |              |                         | ٠          |
|-------------------------|-----------------|-----------|----------------------|----------------------|---------------------------------------|------------|-------------------------|-------------------|-------------------------|--------------|-------------------------|------------|
| (Campling time          | me 97 Feb 1995) | · (c      |                      |                      | 09                                    | <b>)</b>   | 25                      | )                 | 15                      |              | 80                      |            |
| Village name B.         | ane B. Phonobai | ohai (5)  |                      | ·                    | (Volume 60Lit)                        | %)         | (Volume 25Lit)          |                   | (Volume 15Lit)          | (£)          | (Volume 8Lit)           |            |
| Correction              | 1               |           |                      | Oil drama(Volume[1]) |                                       | Lit Bucket | 30Lit Bucket(Volume(2)) | 20Lit Bucke       | 20Lit Bucket(Volume(3)) | 10Lit Bucker | 10Lit Bucket(Volume(4)) |            |
| Pomping time            | X of Times rate | Volume(L) | Amount Supply(Liter) | Personnel            |                                       | Personnel  | Volume(2)               | Personnel         | Volume{3}               | Personnel    | Volume{4}               | TOTAL(Lit) |
|                         | 0               | 4         |                      | 0                    | 0                                     | 0          | 0                       | 0                 | 0                       | 0            | 0                       | 0          |
| · ~                     | · c             | , c       | 0                    | 0                    | 0                                     | 0          | 0                       | 0                 | 0                       | 0            | 0                       | 0          |
| ) er<br>~               | » <b>c</b>      | · c       | 0                    | · •                  | 0                                     | 0          | 0                       | 0                 |                         | 0            | 0                       | 0          |
| 3 G                     | > <b>c</b>      | · c       | 0                    | . 👄                  |                                       | 0          | 0                       | 0                 | 0                       | 0            | 0                       | 0          |
| c<br>                   | · c             | · =       | C                    | · c                  | . 0                                   | 0          | 0                       | 0                 | 0                       | 0            | 0                       | 0          |
| >                       | 38              | 330       | 330                  |                      | 09                                    | ı,         | 125                     | 7                 | 105                     | ហ            | 40                      | 330        |
| )                       | 8 17            | 23.7      | 567                  | : C                  | 0                                     | 4          | 100                     | -                 | 105                     | 7            | 32                      | 237        |
| · œ                     | 96 -            | 2.5       | 624                  | 0                    | 0                                     |            | 52                      | 0                 | 0                       | 4            | 32                      | 57         |
| ) σ<br>- α              | 9 91            | · 2       | 889                  | · •                  | .0                                    | -          | 52                      | _                 | . 15                    | က            | 24                      | 64         |
| , ~<br>~                | 17 t            | . E       | 262                  | -                    | . 0                                   | . —        | 22                      | က                 | 45                      | ı.           | 40                      | 110        |
|                         | 0U U            | -         | 798                  | <u> </u>             | 0                                     | 0          | 0                       | 0                 | 0                       | 0            | 0                       | 0          |
| -13                     | 62.0            | × 25      | 821                  | • • •<br>• •         | 0                                     | 0          | 0                       | _                 | 15                      | 1            | 8                       | 23         |
| Sib tota                | À               | 821       |                      | -                    | 90                                    | 12         | 300                     | 19                | 285                     | 22           | 176                     | 821        |
|                         | 8 76            | 254       | 1, 075               | 0                    | 0                                     | rs.        | 125                     | 7                 | 105                     | က            | 24                      | 254        |
|                         | 14 51           | 421       | 1, 496               | 2                    | 120                                   | ന          | 75                      | 2                 | 30                      | 2            | 16                      | 241        |
| 1.6 - 1.5               | 10 :F           | 27.1      | 1, 767               | · c                  | G                                     | 5          | 125                     | 9                 | 06                      | 7            | 56                      | 271        |
|                         | 13 79           | 400       |                      | - 63                 | 120                                   | , <b>9</b> | 150                     | .:<br>, <b>eo</b> | 06                      | гD           | 40                      | 400        |
| $\frac{16}{16} \sim 17$ | 15. 75          | 457       |                      | <b>2</b> 7           | 120                                   | 7          | 175                     | 9                 | 06                      | ග            | 72                      | 457        |
| 17 ~ 18                 | 9.03            | 262       | 2,886                |                      | 9                                     | 2          | 20                      | œ                 | 120                     | ゼ            | 32                      | 262        |
| 18 ~ 19                 | 0.52            | 12        | 2, 901               | 0                    | 0                                     | 0          | 0                       | _                 | 15                      | 0            | 0                       | 15         |
| $19 \sim 20$            | 0               | 0         | 0                    | 0                    | 0                                     | 0          | 0                       | 0                 | 0                       | 0            | 0                       | 0          |
| $20 \sim 21$            | 0               | 0         | 0                    | 0                    | 0                                     | . 0        | 0                       | 0                 | 0                       | 0            | 0                       | 0          |
| $21 \sim 22$            | 0               | 0         | 0                    | 0                    | 0                                     | 0          | 0                       | 0                 | 0                       | 0            | 0                       | 0          |
| 22 ~ 23                 | 0               | 0         | 0                    | 0                    | 0                                     | 0          | 0                       | <b>o</b> ,        | 0                       | 0            | 0                       | 0          |
| $23 \sim 24$            | 0               | <u></u>   | 0                    | 0                    | 0                                     | 0          | 0                       | 0                 | 0                       | 0            | 0                       | 0          |
| Sub total               |                 | 2, 080    |                      | <b>!</b>             | 420                                   | 28         | 700                     | 36                | 540                     | 30           | 240                     | 2, 080     |
| TOTAL                   |                 | 2, 901    |                      | -<br>-               | 480                                   | 40         | 1, 000                  | 55                | 825                     | 52           | 416                     | 2, 901     |
|                         |                 |           |                      |                      |                                       |            |                         |                   |                         |              |                         | ٠          |

|            |                    |                     |                |                                    | TOTAL(Lit)          | 0.        | 0         | 0        | 0 -   | O     | 330      | 237  | 57             | 56    | 110    | 0           | 23        | 813       | 254          | 241    | 27.1       | 400         | 382    | 262    | 15       |        | 0            | 0            | Ο,           | 0       |           | 2, 818 |
|------------|--------------------|---------------------|----------------|------------------------------------|---------------------|-----------|-----------|----------|-------|-------|----------|------|----------------|-------|--------|-------------|-----------|-----------|--------------|--------|------------|-------------|--------|--------|----------|--------|--------------|--------------|--------------|---------|-----------|--------|
|            |                    | <b>σ</b> ο          | (Volume 8Lit)  | <pre>10Lit Bucket(Volume(4))</pre> | Volume(4)           | 0         | 0         | . 0      | 0     | 0     | 40       | 35   | 32             | 16    | 40     | 0           | 80        | 168       | 24           | 16     | 26         | 40          | 72     | 32     | 0        | 0      | 0            | 0            | 0            | 0.      | 240       | 408    |
|            |                    |                     | +-             |                                    | Personnel           | 0         | 0         | <b>©</b> | 0     | 0     | ഥ        | 4    | 4              | 23    | ഹ      | 0           | 1         | 21        | 3            | 8      | <b>!</b> ~ | ស           | 6      | ফ      | 0        | 0      | . 0          | 0            | 0            | 0       | 99        | 51     |
|            | <b>a</b> s         | 15                  | (Volume 15Lit) | 20Lit Bucket(Volume(3))            | Volume(3)           | 0         | 0         | 0        | 0     | 0     | 105      | 105  | 0              | 15    | 45     | 0           | 15        | 285       | 105          | 8      | 06         | 06          | 135    | 120    | 15       | 0      | 0            | 0            | 0            | 0       | 585       | 870    |
|            | <br>th Village     | 25                  | _              |                                    | Personnel           | 0         | 0         | 0        | 0,    | 0     | 7        | -    | 0              |       | က<br>က | 0           | 1         | 19        | 7            | 2      | 9          | 9           | 6      | ∝      | <b>.</b> | 0      | 0            | 0            | 0            | 0       | 39        | 58     |
|            | olume each         | 2                   | (Volume 25Lit) | 30Lit Bucket(Volume(2))            | Volume {2}          | 0         | 0         | 0        | 0     | 0     | 125      | 100  | 52             | 25    | 53     | 0           | 0         | 300       | 125          | 75     | 125        | 150         | 175    | 20     | 0        | 0      | 0            | 0            | 0            | 0       | 100       | 1,000  |
| Ta applica | <br>Pumping Volume | 90                  | OLit)          | •                                  | ] Personnel         | 0         | <b>-</b>  | 0        | 0     | 0     | ഹ        | 7    |                | -     | _      | 0           | 0         | 12        | ហ            | ديغ    |            | <b>.</b>    | ~      | 2      | 0        | 0      | 0            | 0            | 0            | 0       | 82        | 40     |
|            | Result of ]        |                     | (Volume 60Lit) | Oil drama(Volume[1])               | nel Volume(1        | 0         | 0         | 0        | 0     | 0     | <b>3</b> | 0    | 0              | 0     | 0      | 0           | 0         | 09        | 0            | 120    | 0          | 120         | 0      | 9      | 0        | 0.     | 0.           | 0            | 0            | 0 .     | 300       | 360    |
|            | æ                  |                     | •              | 0i1 dr                             | iter, Personnel     | 0         | _         | 0        | 0     | 0     |          | -    | 0              | -     | 0      | 0           | 0         | 1         | 0            | 2      | 0          | 2           | 0      |        | 0        | 0      | 0            | 0            | 0            | 0       | ည         | 9      |
|            |                    |                     |                |                                    | Amount Supply(Liter | 0         | 0         | 0        | 0     | 0     | 330      | 267  | 624            | 089   | 790    | 790         | 813       |           | 1,067        | 1, 488 | 1, 759     | 2, 159      | 2, 541 | 2, 803 | 2,818    | 0      | 0            | 0            | 0            | 0       |           |        |
|            |                    | 1995                | Houn-Tai (6)   |                                    | Volume(L)           | 0         | 0         | 0        |       | 0     | 330      | 237  | 57             | 56    | 110    | 0           | 23        | 813       | 254          | 421    | 27.1       | 400         | 382    | 262    | 15       | 0      | 0            | 0            | 0            | 0       | 2, 005    | 2,818  |
|            |                    | e 28 / Feb 1995     | æ              |                                    | of Times rate       | 0         | 0         | 0        | 0     | 0.00  | 11.71    | 8.4] | 2.02           | 1.99  | 3.90   | 0.00        | 0.82      |           | 9. 01        | 14.94  | 9.62       | 14.19       | 13.56  | 9.30   | 0.53     | 0.00   | 0.00         | 0.00         | 0.00         | 0.00    |           |        |
|            |                    | (Sampling date 28 / | Village name   |                                    | Pumping time %      | $0\sim 1$ | $1\sim 2$ | 2 ~ 3    | 3 ~ 4 | 4 ~ 5 | 2 ~ 6    | 6~7  | 2 ~ 8<br>2 ~ 7 | 6 ~ & | 01 ~ 6 | $0 \sim 11$ | $1\sim12$ | Sub total | $2 \sim 1.3$ | 3 ~ 14 | 4 ~ 15     | $5 \sim 16$ | 6 ~ 17 | 7 ~ 18 | 8 ~ 1.9  | 9 ~ 20 | $20 \sim 21$ | $21 \sim 22$ | $22 \sim 23$ | 23 ~ 24 | Sub total | TOTAL  |

| March 1995<br>B. Houn-Tai (7) |
|-------------------------------|
| Vplume(L) Amount Supply(L     |
| 0                             |
| -<br>-                        |
|                               |
| _                             |
| 0                             |
| 546                           |
| 837                           |
| 1.076                         |
| 1, 247                        |
| 1, 439                        |
| 1, 526                        |
| 1, 556                        |
|                               |
| 1, 579                        |
| 1, 809                        |
| 2, 157                        |
| 2, 549                        |
| 2, 789                        |
| 2, 828                        |
| 0                             |
|                               |
| · =                           |
| > =                           |
| > C                           |
| · C                           |
| 272                           |
| 808                           |
|                               |

2.4 Water Use Survey in 10 Villages

Result of Water Use Survey Selection 5 Villages in Saravan Province (Sheet 1)

Village NONGPHAY (P) Enumerator Mr. CHA Weather CLEAR

Source Observed Mr. TABILAY (Village Chief) Date. 26 June. 1995

HOUSEHOLD CENSUS

| NO Household head Household 0 to 12 Years 13 tob0 Years         1       MAYI       3       0       2         2       TONGSY       6       4       2         3       TABILAY       6       4       2         4       CHA       8       2       5         5       CHIAM       8       2       6         6       VISAI       3       0       3         7       TATA       9       5       4         8       POPAN       6       2       4         9       DOM       6       2       4 | HOUSEHOLD COMPOSITION | . 090+    | T control    | DISTANCE TO WATER SOURCE | ATER SOURCE | IN.<br>Paddy (ha) | INDICES OF wealth's Paddy (ha) Livestock's | s<br>Other | Remarks        |
|--|-----------------------|-----------|--------------|--------------------------|-------------|-------------------|--|------------|----------------|
|  | gears is tobu fears   | Over toou | nates Source | (m) 5.40                 |             |                   |  |            |                |
|  |                       | ,         | Pump (2)     | 300                      | 750         | 1.2               | B-2. C-0                                   | 0          | Farming        |
|  | 63                    | 83        | Pump (2)     | 80                       | 470         | 1.3               | B-0. C-0                                   | 0          | Farming        |
|  | 21                    | •         | Pump (2)     | 110                      | 420         | 1.1               | B-3. C-0                                   | 0          | Farming        |
| 5 CHIAM 8 2<br>6 VISAI 3 0<br>7 TATA 9 5<br>8 POPAN 9 4  | ro.                   | Ħ         | Pump (2)     | 280                      | 380         | 1.5               | B-3. C-7                                   | .0         | Farming        |
| 6 VISAI 3 0<br>7 TATA 9 5<br>8 POPAN 9 4   | 9                     | 0         | Pump (2)     | 320                      | 430         | 1.3               | B-1. C-0                                   | 0          | Farming        |
| 7 TATA 9 5 8 8 POPAN 9 4   | σ.                    | 0         | Pump (2)     | 340                      | 380         | 1.5               | B-2. C-0                                   | 0          | Farming        |
| 8 POPAN 9 4<br>9 DOM 6 2   | ) <del>4</del>        | 0         | Pump (2)     | 650                      | 550         | 0.8               | B-4. C-1                                   | 0          | Farming        |
| 9 DOM 6 2  | 4                     |           | Pump (2)     | 420                      | 320         | 1.5               | B-0. C-0                                   | 0          | Farming        |
|  | 2 4                   | 0         | Pump (1)     | 280                      | 120         | 1.2               | B-1. C-2                                   | 0          | Farming        |
| NOGILL OF  | 3                     | 0         | Pump (1)     | 360                      | 220         | 0                 | B-0. C-0                                   | 0          | Public servant |

C : Number of Cattle

B : Number of Water Buffalo

Olleger

(Sheet 1) Result of Water Use Survey Selection 5 Villages in Saravan Province

Village BENG (P) Enumerator VILAI Weather CLEAR

Source Observed Mr. VILAI (Village Chief) Date. 23. June. 1995.

# HOUSEHOLD CENSUS

| Name of   | No in     | HOUSEHO      | HOUSEHOLD COMPOSITION |           |              | STANCE TO 1 | DISTANCE TO WATER SOURCE | N.         | INDICES OF Wealth's       | -           |         |
|-----------|-----------|--------------|-----------------------|-----------|--------------|-------------|--------------------------|------------|---------------------------|-------------|---------|
| ld head   | Household | 0 tol2 Year: | s 13 to60 Years       | Over to60 | Water Source | Old (m)     | New (m)                  | Paddy (ha) | Paddy(ha) Livestock's Up- | Up-Land     | Remarks |
| VILAI     | တ         | 4            | 2                     | 0         | H. Soun      | 1, 100      | 12                       | 0.2        | B-0. C-4 Rice             | Rice O. 7ha | Farming |
| SAOSOK    | 41        | 0            | 4                     | . 0       | H. Soun      | 1,000       | 160                      | 0          | B-0. C-2 Rice             | 2ha         | Farming |
| NHOU      | 2         | က            | 27                    | 0         | H. Soun      | 700         | 350                      | 0.2        | B-0. C-3 Rice             | . Iha       | Farming |
| TAO TEAN  | 9         | 0            | 9                     | 0         | H. Soun      | 800         | 120                      | 0          | B-0. C-2 Rice             | Rice O. 5ha | Farming |
| TAO CHIT  | ₩         | 63           | . 2                   | 0         | H. Soun      | 006         | 85                       | 0          | B-0. C-0 Rice             | . 1ha       | Farming |
| TAO SAVAN | ক         | 8            | 81                    | 0         | H. Thong     | 350         | 280                      | 0          | B-0. C-7                  | 0           | Teacher |
| МОД       | 2         | က            | 8                     | 0         | H. Thong     | 300         | 250                      | 0 ,        | B-0. C-0 Rice             | Rice O.5ha  | Farming |
| KO        | 7         | 41           | က                     | 0         | H. Thong     | 200         | 350                      | 0          | B-0. C-5 Rice             | 2ha         | Farming |
| BOULEUT   | က         |              | 81                    | 0         | H. Thong     | 450         | 440                      | 0          | B-1. C-5 Rice             | . Iha       | Farming |
| POUI      | 9         | က            | e                     | 0         | H. Soun      | 006         | 260                      | 0.3        | B-0. C-0 Rice             | . 1ha       | Farming |

C : Number of Cattle

B : Number of Water Buffalo

(Sheet 1) Result of Water Use Survey Selection 5 Villages in Saravan Province

Source Observed Mr. SOY (Village Chief) Date. 23. June. 1995. Village THAT NOY Enumerator Mr. SOY Weather CLEAR

| H. Kaean 500 0 2. 6 B-4. C-1 0 5m. H. Kaean 560 0 2. 6 B-2. C-0 0 1 ena H. Kaean 560 0 0 B-0. C-0 0 Tena H. Kaean 560 0 2 B-1. C-0 0 Tena H. Kaean 520 0 1. 5 B-1. C-0 0 H. Kaean 430 0 0.5 B-1. C-0 0 H. Kaean 420 0 1. 2 B-1. C-0 0 H. Kaean 420 0 2 B-0. C-0 0   | Name of No in  | No in                            |     | HOUSEHOLD COMPOSITION |           | o + o m              | DISTANCE TO | DISTANCE TO WATER SOURCE | INI<br>Paddy (ha) | INDICES OF Wealth's Paddy(ha) Livestock's | other                    | Remarks        |
|---|--|----------------------------------|-----|-----------------------|-----------|----------------------|-------------|--------------------------|-------------------|---|--------------------------|----------------|
| 500         0         2. 6         B-4. C-1         0           560         0         2         B-2. C-0         0           700         0         0         B-0. C-0         0           650         0         0         B-0. C-0         0           560         0         2         B-1. C-0         0           520         0         1. 5         B-3. C-1         0           530         0         0. 5         B-1. C-0         0           430         0         1. 5         B-0. C-0         0           440         0         1. 2         B-0. C-0         0 | NO Household head Household 0 tol2 Vears 13 to60 Years | Household 0 tol2 Years 13 to60 ) |     |                       | Over to60 | Water Source Old (m) | Old (m)     | New (m)                  | Paddy (ha)        | Llvestock s                               | Other                    | Jenay          |
| 560         0         2         B-2.         C-0         0           700         0         0         B-0.         C-0         0           650         0         0         B-0.         C-0         0           550         0         1.5         B-1.         C-0         0           530         0         1.5         B-1.         C-0         0           430         0         1.5         B-0.         C-0         0           400         0         1.5         B-0.         C-0         0  | SOY 11 5 6   | 11 5 6                           | 9   | ဖ                     | 0         | H. Kaean             | 200         | 0                        | 2.6               | B-4. C-1                                  | 0                        | Small Stall    |
| 700         0         0         B-0.         C-0         0           650         0         0         B-0.         C-0         0           560         0         1.5         B-1.         C-0         0           520         0         1.5         B-3.         C-1         0           530         0         0.5         B-1.         C-0         0           430         0         1.5         B-0.         C-0         0           400         0         2         B-0.         C-0         0  | THING 7 3  | 7 7 3 3                          | 4 3 | က                     | 0         | H. Kaean             | 260         | 0                        | 81                | B-2. C-0                                  | 0.00<br><b>0</b><br>0.00 | Farming        |
| 650         0         0         B-0. C-0         0           560         0         2         B-1. C-0         0           520         0         1.5         B-3. C-1         0           530         0         0.5         B-1. C-0         0           430         0         1.5         B-0. C-0         0           420         0         1.2         B-1. C-0         0           400         0         2         B-0. C-0         0  | BOUATHONG 6 4 2  | 6 4 2                            | 4   | 7                     | 0         | H. Kaean             | 700         | 0                        | 0                 | B-0. C-0                                  | 0                        | Tenant Farmin  |
| 560         0         2         B-1.         C-0         0           520         0         1.5         B-3.         C-1         0           530         0         0.5         B-1.         C-0         0           430         0         1.5         B-0.         C-0         0           420         0         1.2         B-1.         C-0         0           400         0         2         B-0.         C-0         0   | HIN 10 4 6   | 10 4 6                           | 4 6 | 9                     | 0         | H. Kaean             | 650         | 0                        | .0                | В-0. С-0                                  | 0                        | Tenant Farming |
| 520         0         1.5         B-3         C-1         0           530         0         0.5         B-1         C-0         0           430         0         1.5         B-0         C-0         0           420         0         1.2         B-1         C-0         0           400         0         2         B-0         C-0         0   | TAO CHO 2 0 2  | 2 0 2                            | 0 2 | 7                     | 0         | H. Kaean             | 260         | 0                        | 7                 | B-1. C-0                                  | 0                        | Farming        |
| 530       0       0.5       B-1.       C-0       0         430       0       1.5       B-0.       C-0       0         420       0       1.2       B-1.       C-0       0         400       0       2       B-0.       C-0       0   | NANGNYON 6 4 2   | 6                                | 4.  | 2                     | 0         | H. Kaean             | 520         | 0                        | 1.5               | B-3. C-1                                  | 0                        | Farming        |
| 430     0     1.5     B-0. C-0     0       420     0     1.2     B-1. C-0     0       400     0     2     B-0. C-0     0  | TAO HSUT 6 4 2   | 6 4 2                            | 4 2 | 2                     | 0         | H. Kaean             | 530         | 0                        | 0.5               | B-1. C-0                                  | 0                        | Farming        |
| 420 0 1.2 B-1. C-0 0<br>400 0 2 B-0. C-0 0  | Mars. PENG 7 3 4                                       | 7 3 4                            | 3.4 | 4                     | 0         | H. Kaean             | 430         | 0                        | 1.5               | B-0. C-0                                  | 0                        | Farming        |
| 400 0 2 B-0. C-0 0  | TAO CHUM 7 5 2   | 7                                | 2   | 2                     | 0         | H. Kaean             | 420         | 0                        | 1.2               | B-1. C-0                                  | 0                        | Farming        |
|   | TABY 4 2 2   | 4 2 2                            | 2 2 | 2                     | 0         | H. Kaean             | 400         | 0                        | 7                 | B-0. C-0                                  | 0                        | Farming        |

(Sheet 1) Result of Water Use Survey Selection 5 Villages in Saravan Province

Village SENVANG - NOY Enumerator Mr. SIE MUAN Weather CLOUDY

Source Observed Mr. SIEMUAN (Village Chief) Date. 23 June. 1995.

#### HOUSEHOLD CENSUS

| Id head         Household of third years 13 to60 Years 13 to60 Years 13 to60 Years 13 to60 Years 15 to60         Water Source         Old (m)         New (m)         Paddy (ha)         Livestock 's         Up-Land           MIAN         11         6         5         0         H. Thong         450         0         0.7         B-5. C-2         0         0           SY         8         3         5         0         H. Thong         450         0         0.6         B-0. C-1         Rice 0.7ha           NO         8         3         5         0         H. Thong         480         0         0         B-0. C-1         Rice 0.5ha           NO         8         3         0         H. Thong         550         0         0         0         B-0. C-2         Rice 0.5ha           NO         6         3         0         H. Thong         170         0         0         B-0. C-2         Rice 0.5ha           NA         6         4         2         0         H. Thong         170         0         0         B-0. C-2         Rice 0.5ha           NA         5         2         0         H. Thong         170         0         0         0         B-0. C- | Nag                    | Name of      | No 10 | HOUSEH      | HOUSEHOLD COMPOSITION | X.           |              | DISTANCE TO WATER SOURCE | WATER SOURCE |            | INDICES OF Wealth's | ilths |         |
|---|------------------------|--------------|-------|-------------|-----------------------|--------------|--------------|--------------------------|--------------|------------|---------------------|-------|---------|
| (4)         11         6         5         0         H. Thong         250         0         0.7         B-5. C-0         0           8         3         5         0         H. Thong         450         0         0.6         B-2. C-2         0           8         3         5         0         H. Thong         480         0         0         B-0. C-1         Rice 0.5ha           8         5         3         0         H. Thong         550         0         0.8         B-3. C-1         0           6         3         3         0         H. Thong         150         0         0         B-0. C-2         Rice 0.5ha           7         5         2         0         H. Thong         150         0         0         B-0. C-2         Rice 0.5ha           7         5         2         0         H. Thong         170         0         0         B-0. C-2         Rice 0.5ha           7         5         2         0         H. Thong         170         0         0         B-0. C-1         Rice 0.5ha           7         5         2         0         H. Thong         50         0         0   | NO Ho                  | usehold head |       | 0 tb12 Year | rs 13 to60 Yea        | rs Over to60 | Water Source | 01d (m)                  | New (m)      | Paddy (ha) | Livestock's         |       | Remarks |
| 8         3         5         0         H. Thong         440         0         0.6         B-2. C-2         0           8         3         3         0         H. Thong         480         0         0         B-0. C-1         Rice 0. Tha           8         3         5         0         H. Thong         550         0         0.8         B-3. C-1         0           6         3         3         0         H. Thong         150         0         0         B-0. C-2         Rice 0. 5ha           6         4         2         0         H. Thong         150         0         0         B-0. C-2         Rice 0. 5ha           7         5         2         0         H. Thong         170         0         0.8         B-1. C-3         Rice 0. 5ha           7         5         2         0         H. Thong         510         0         0         B-0. C-1         Rice 0. 5ha           7         5         2         0         H. Thong         510         0         0         B-0. C-1         Rice 0. 5ha           7         5         2         0         H. Thong         510         0         0  | ina.<br>Jangan<br>Heri | SIE MUAN     | 11    | ဖွ          | ιĊ                    | 0            | H. Thong     | 250                      | 0            | 0.7        | B-5 . C-0           |       | Farming |
| 6         3         3         0         H. Thong         450         0         0         B-O. C-1         Rice 0. Tha           8         3         5         0         H. Thong         550         0         0.8         B-O. C-1         Rice 0. 5ha           6         3         3         0         H. Thong         350         0         0         B-O. C-2         Rice 0. 5ha           6         4         2         0         H. Thong         150         0         0         B-O. C-2         Rice 0. 5ha           7         5         2         0         H. Thong         510         0         0         B-O. C-1         Rice 0. 5ha           7         5         2         0         H. Thong         510         0         0         B-O. C-1         Rice 0. 5ha           7         5         2         0         H. Thong         520         0         1.5         B-O. C-1         Rice 0. 5ha   | 8                      | LEY          | œ     | က           | ŀΩ                    | 0            | H. Thong     | 440                      | . ·<br>•     | 0.6        | B-2 . C-2           | 0     | Farming |
| 8       3       5       0       H. Thong       480       0       0       B-0. C-1       Rice 0.5ha         6       3       3       0       H. Thong       550       0       0       0       8-3. C-1       0         6       4       2       0       H. Thong       150       0       0       B-0. C-2       Rice 0.5ha         7       5       2       0       H. Thong       170       0       0.8       B-1. C-3       0         7       5       2       3       0       H. Thong       510       0       0       B-0. C-1       Rice 0.5ha         7       5       2       0       H. Thong       520       0       1.5       B-0. C-1       Rice 0.5ha   | m                      | PIN          | g     | က           | ආ<br>උ                | 0            | H. Thong     | 450                      | 0            |            | B-0 . C-1           |       | Farming |
| 8       5       3       0       H. Thong       550       0       0.8       B-3. C-1       0         6       3       3       0       H. Thong       150       0       0       B-0. C-2       Rice 0.5ha         7       5       2       0       H. Thong       170       0       0.8       B-1. C-3       0         7       5       2       0       H. Thong       510       0       B-0. C-1       Rice 0.5ha         7       5       2       0       H. Thong       520       0       1.5       B-2. C-0       0   | wit .                  | LAO          | œ     | က           | ro                    | 0            | H. Thong     | 480                      | 0            | 0          | B-0 . C-1           |       | Farming |
| 6 3 0 H. Thong 330 0 0 B-0 C-2 Rice 0.5ha 6 4 2 0 H. Thong 150 0 0 B-0 C-0 Rice 0.5ha 7 5 2 0 H. Thong 170 0 0.8 B-1 C-3 0 7 5 2 0 H. Thong 510 0 0 B-0 C-1 Rice 0.5ha 7 5 2 0 H. Thong 520 0 1.5 B-2 C-0 0   | ıo                     | LITE         | æ     | 5           | က                     | 0            | H. Thong     | 550                      | 0            | 8.0        | B-3 . C-1           | 0     | Farming |
| 6 4 2 0 H.Thong 150 0 0 B-0. C-0 Rice 0.5ha<br>7 5 2 0 H.Thong 170 0 0.8 B-1. C-3 0<br>7 5 2 3 0 H.Thong 510 0 0 B-0. C-1 Rice 0.5ha<br>7 5 2 0 H.Thong 520 0 1.5 B-2. C-0 0  | "                      | EAO          | 9     | က           | က                     | 0            | H. Thong     | 330                      | 0            | 0          | B-0 . C-2           |       | Farming |
| 7 5 2 0 H.Thong 170 0 0.8 B-1. C-3 0   F 5 2 3 0 H.Thong 520 0 1.5 B-2. C-0 0   F 5 2 0 H.Thong 520 0 1.5 B-2. C-0 0  | ~                      | KANUA        | ဖွ    | 4           | 2                     | 0            | H. Thong     | 150                      | 0            | 0          | B-0. C-0            |       | Farming |
| F 5 2 3 0 H.Thong 510 0 0 B-0. C-1 Rice 0.5ha 7 5 2 0 H.Thong 520 0 1.5 B-2. C-0 0  | m                      | LAY          | ~     | ю           | 7                     | 0            | H. Thong     | 170                      | 0            | 0.8        | B-1 . C-3           | 0     | Farming |
| G 7 5 2 0 H.Thong 520 0 1.5 B-2 C-0 0   |                        | TONG PAT     | ro    | 23          | en<br>en              | 0            | H. Thong     | 510                      | 0            | 0          |                     |       | Farming |
|   | 0                      | BUASONG      | 7     | S           | 2                     | 0            | H. Thong     | 520                      | 0            | 1.5        | B-2 C-0             | 0     | Farming |

(Sheet 1) Result of Water Use Survey Selection 5 Villages in Champasak Province

Source Observed Mr. SY (Village Chief) Date 26 Jun. 1995 Village LAK 24 Enumerator Mr., SY Weather CLEAR

### HOUSEHOLD CENSUS

|     | Name of  | No in      | :     | HOUSEHOLD COMPOSITI | KD COM | POSITION  |      |           |                    | DISTANCE TO | DISTANCE TO WATER SOURCE |           | INDICES OF Wealth's   | lth's      |                |
|-----|--|------------|-------|---------------------|--------|-----------|------|-----------|--------------------|-------------|--------------------------|-----------|-----------------------|------------|----------------|
| 8   | Household head Household 0 to12 Years 13 to60 Year | Household  | 0 tol | 2 Year              | s 13 t | o60 Years | Gver | Over to60 | Water Source       | 01d (m)     | New (m)                  | Paddy (ha | Paddy(ha) Livestock's | Up-Land    | Remarks        |
|     |  |            |       |                     |        |           |      |           |                    |             |                          |           | \                     |            |                |
| -   | SY   | 10         |       | 2                   |        | S.        | •    | 0         | H. Bangliang+ Pump | 380         | 210                      | -         | В-2 . С-2             | 0          | Farming        |
| . 7 | KAMPEAN  | မွ         | ٠     | -                   |        | гo        | Ŭ    | -         | H.Bangliang+ Pump  | 350         | 220                      |           | В-0 С-2               | 0          | Farming        |
| က   | LIAN   | ហ          |       | ۲3                  |        | ന         | :    |           | H.Bangliang+ Pump  | 250         | 280                      | •         | B-0 . C-4             | Rice 0.3ha | Tenant Farming |
| 4   | SAVAT  | æ          |       | က<br>'              |        | ம்        |      |           | H. Bangliang+ Pump | 55          | 450                      | 0         | B-0 C-1               | Coffee 3ha | Farming        |
| က   | SIAM   | œ          | :     | . <b>co</b>         |        | ო         |      | 87        | H.Bangliang+ Pump  | 480         | 70                       |           | B-3 . C-6             | ,0         | Farming        |
| 9   | KHON   | ស          |       | 2                   |        | က         |      | . 0       | H. Bangliang+ Pump | 320         | 260                      | 7         | B-4 . C-4             | 0          | Farming        |
| 7   | PHAT   | ო          |       |                     |        | 7         |      | 0         | H. Bangliang       | 20          | 480                      | 0         | B-0 . C 0             | Rice 0.5ha | Farming        |
| ∞   | SICHIANT   | 9          |       | 4                   |        | 81        |      | . 0       | H. Bangliang+ Pump | 630         | 65                       | 0         | B-0 . C-0             | Rice 1.5ha | Farming        |
| 0   | TOMDAM   | ហ          | -     | 2                   |        | က         |      | 0         | H.Bangliang+ Pump  | 009         | 20                       | 0.5       | B-1 . C-0             | 0          | Farming        |
| 01  | MARAITONG  | : <b>-</b> | : · . | 0                   | : .    | 0         |      |           | Pump               | 410         | 210                      | 0         | B0 . C-0              | 0          | Small Stall    |

(Sheet 1) Result of Water Use Survey Selection 5 Villages in Champasak Province

Village HOUAKHOUA

Source Observed Mr. SAGUAN (Village Chief)

Enumerator Mr. SAGUAN Weather CLEAR

Date. 22 June. 1995.

HOUSEHOLD CENSUS

| 1                                     |          | Name of      | of             | No in       |        | HOUS                      | HOUSEHOLD COMPOSITION | MPOSITI    |    |           |              | DISTANCE T | . <b>#</b>                            |     | ONI .                 | ICES O    | INDICES OF Wealth's |                    |                |
|---------------------------------------|----------|--------------|----------------|-------------|--------|---------------------------|-----------------------|------------|----|-----------|--------------|------------|---------------------------------------|-----|-----------------------|-----------|---------------------|--------------------|----------------|
| I                                     | 옷        |              | Household head | d Household | ) plot | 0 tol2 Years 13 to60 Year | ears 13               | to60 Yea   | σ. | Over to60 | Water Source | 01d (m)    | New (m)                               |     | Paddy(ha) Livestock s | lvesto    | ck s                | Other              | Kemarks        |
|                                       | _        |              | SAGUAN         | 00          |        | 9                         |                       | , <b>N</b> |    | 0         | Pump [1]     | 180        | 0                                     |     |                       | B-2 . C-0 | 0<br>0<br>0         | 0                  | Farming        |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | .'01     |              | SATITH         | 9           |        | . ₹                       |                       | 7          | •  | 0         | Well         | 100        | 0                                     | , , |                       | B-0 .     | <u>.</u>            | 0                  | Farming        |
|                                       | က        | <del>-</del> | POKAS0         | 4           |        | -                         |                       | က          |    | 0         | [1] dwnd     | 110        | 0                                     | 0   | 0.8                   | B-1       | C-0 Temp            | C-O Temporary Work | Farming        |
|                                       | ₹.       |              | SOUR           | 12          |        | 5                         |                       | 7          |    | 0         | [1]          | 80         | • • • • • • • • • • • • • • • • • • • | ••  | ~ ·                   | B-2 . C-3 | 3                   | 0                  | Farming        |
|                                       | ιn       |              | HACK           | ဖ           |        | 4                         |                       | 64         |    | 0         | pump [1]     | 170        | 0                                     |     |                       | B-1 . C-0 | 0-0                 | 0                  | Farming        |
|                                       | ဖ        |              | NON            | 2           |        | 0                         | . •                   | 0          |    | 7         | [1] dwnd     | 190        | 0                                     | _   | _                     | B-0 . C-0 | 0-0                 | 0 Te               | Fenant Farming |
| 1                                     |          |              | OHIN           | 8           |        | ₹                         |                       | 2          |    | 2         | [1] dwnd     | 20         | 0                                     |     |                       | B-3 . (   | C-16                | 0                  | Farming        |
|                                       | <b>~</b> | Z            | HAMHEUM        | ល           |        | က                         |                       | 8          |    | 0         | well         | 15         | 0                                     |     | · .                   | B-4 . C-3 | C-3                 | 0                  | Farming        |
|                                       | 6        |              | WAY            | 7           |        | Ø                         |                       | က          |    | 23        | [1] dmnd     | 220        | 0                                     |     |                       | B-3 . C-5 | - <del>2</del>      | .0                 | Farming        |
|                                       | 0        |              | SUAM           |             |        | ო                         |                       | 63         |    | 2         | [1] dmnd     | 100        | 0                                     | .4  | ۸.                    | B-4 . C-4 | C-4                 | 0                  | Farming        |
|                                       |          |              |                |             |        |                           |                       | ,          |    |           |              |            |                                       |     |                       |           |                     |                    |                |

Result of Water Use Survey Selection 5 Villages in Saravan Province (Sheet 1)

Source Observed Mr. VEN (Village Chief) Date 27 June. 1995 Village CHONG Enumerator Mr. VEN Weather CLEAR

## HOUSEHOLD CENSUS

| ž s      | Name of No in HOUSEHOLD COMPU | No in<br>Household | HOUSER           | HOUSEHOLD COMPOSITION | rrion<br>Vears | OSITION SO Years Over to60 | Water Source    | DISTANCE TO | DISTANCE TO WATER SOURCE Old (m) New (m) | Paddy (ha) | INDICES OF Wealth's<br>Paddy(ha) Livestock's Up-land | Remarks |
|----------|-------------------------------|--------------------|------------------|-----------------------|----------------|----------------------------|-----------------|-------------|--|------------|--|---------|
|          | ionseilora nega               | NOTESTATION        | 2102 0           |                       |                |                            | ı               |             |  |            |  |         |
| ,        | VEN                           | 17                 | ſſ               | 7                     |                | 0                          | H. Thong + Pump | 350         | 110                                      | 2.5        | B-8. C-30 0  | Farming |
| .01      | MORO                          | 2                  | 0                | 2                     | 1, 1.<br>      | 0                          | H. Thong + Pump | 480         | 180                                      | 1.5        | B-0. C-0 Rice-0.5ha                                  | Farming |
| ന        | MOUSON                        | က                  | 0                | က                     |                | 0                          | H. Thong + Pump | 390         | 120                                      | 2.0        | B-7. C-10 0  | Farming |
| 4        | BUASON                        | ဌ                  | , <del>r -</del> | 4                     |                | 0                          | H. Thong + Pump | 410         | 150                                      | 1.6        | B-3. C-0 Rice-0.5ha                                  | Farming |
| . r      | TAONHOY                       | 11                 | 81               | <b>&amp;</b>          |                |                            | H. Thong + Pump | 370         | 130                                      | 2.0        | B-3. C-15 0  | Farming |
| ဖ        | TAPON                         | မှ                 | 4                | 7                     |                | 0                          | H. Thong + Pump | 330         | . 09                                     | 1.9.       | B-0. C-0 0   | Farming |
|          | SINNO                         | 7                  | က                | 4                     |                | 0                          | H. Thong + Pump | 450         | 210                                      | 1.6        | B-1. C-10 0  | Farning |
| <b>∞</b> | SONPUI                        | . 9                | · .              | ιΩ                    |                | 0                          | H. Thong + Pump | 550         | 260                                      | 1.6        | B-3. C-5 Rice-0.5ha                                  | Farming |
| 6        | NANGDAM                       | 4                  | 0                | 4                     |                | 0                          | H. Thong + Pump | 440         | 230                                      | 2.0        | B-3. C-10 0  | Farming |
| 01       | TAO KEN                       | ਚਾ                 | , <b>4</b>       | 2                     |                | , i                        | H. Thong + Pump | 310         | 220                                      | 1.6        | B-1. C-1 Rice-0.5ha                                  | Farming |
|          |                               |                    |                  |                       | -              |                            |                 |             |  |            |  |         |

(Sheet 1) Result of Water Use Survey Selection 5 Villages in Champasak Province

Village NONGKHAMKHAO Enumerator Mr. BAUNTAVY Weather CLEAR

Source Observed Mr. BAUNTAVY (Village Chief) Date 23. June. 1995.

## HOUSEHOLD CENSUS

|          | Name of        | No in        | HOUSE                | HOLD COM  | HOUSEHOLD COMPOSITION |           |              | DISTANCE TO WATER SOURCE | WATER SOURCE |            | INDICES OF Wealth's   | ulth's   | ,              |
|----------|----------------|--------------|----------------------|-----------|-----------------------|-----------|--------------|--------------------------|--------------|------------|-----------------------|----------|----------------|
| ON<br>N  | Household head | Household    | 0 to12 Years 13 to60 | irs 13 t. | o60 Years             | Over to60 | Water Source | 01d (m)                  | New (m)      | Paddy (ha) | Paddy(ha) Livestock's | UP-Land  | Remarks        |
| -        | BAUNTAVY       | r.           | 23                   |           | ,<br>,<br>,           | 0         | WELL + POND  | 480                      | 0            | 0          | B-0. C-0              | 0        | Small Stall    |
| 2        | SAMAN          | ന            | <b>-</b>             |           | 2                     | 0         | WELL + POND  | 450                      | 0            | 0          | B-0. C-0              | 0        | Civil servant  |
| က        | PEAN           | ന            | 73                   |           | ,                     | 0         | POND         | 15                       | 0            | 0          | В-0. С-0              | 0        | Handicraft     |
| কা       | KHAMSEN        | <b>&amp;</b> | က                    |           | ις                    | 0         | WELL + POND  | 230                      | 0            | 0          | B-1. C-7              | Rice 1ha | Farmer         |
| ro       | DA0            | <b>x</b>     | 4                    |           | 4                     | 0         | WATER TANK   | 0                        | 0            | 0,         | B-0. C-0              | Rice 5ha | Driver         |
| 9        | VANHY          | 2            | က                    |           | ~3                    | 0         | WELL + POND  | 350                      | 0            | 0          | B-0. C-0              | 0        | Soldier        |
| 1        | BOUA           | 7            | гO                   | 1         | ~                     | 0         | WELL + POND  | 280                      | 0            | 0          | B-0. C-0              | 0        | Soldier        |
| <b>œ</b> | POUN           | 7            | 4                    |           | 63                    | -         | WELL + POND  | 370                      | 0            | 0          | B-0. C-2              | 0        | Soldier        |
| 6        | KHAN           | က            |                      |           | 8                     | 0         | WELL + POND  | 410                      | 0            | 0.5        | B-0. C-0              | 0        | Temporary work |
| 21       | NONC           | 2            | 0                    |           | 7                     | 0         | WELL + POND  | 360                      | 0            | 0          | B-0. C-0              | 0        | Temporary work |
|          |                |              |                      |           | -                     |           | -            |                          |              |            |                       |          |                |

Result of Water Use Survey Selection 5 Villages in Saravan Province (Sheet 1)

Source Observed Mr. PHU (Village Chief) Date 22 June. 1995 Village DONMUANG Enumerator Mr. PHU Weather CLEAR

### HOUSEHOLD CENSUS

| Z  | Name of                                     | No in      | #      | IOUSEHOLD ( | HOUSEHOLD COMPOSITION |           |               | DISTANCE TO WATER SOURCE | ATER SOURCE | Na .       | INDICES OF Wealth's    | th's  |           |
|----|---|------------|--------|-------------|-----------------------|-----------|---------------|--------------------------|-------------|------------|------------------------|-------|-----------|
| 8  | NO Household head Household 0 tol2 Years 13 | Household  | 0 tol. | 2 Years 13  | to60 Years            | Over to60 | Water Source  | 01d (m)                  | New (m)     | Paddy (ha) | Paddy (ha) Livestock's | Other | Remarks   |
| 7  | PHU   | <b>1</b> . | · · ·  | က           | 9                     | 61        | Pump + Xedong | 450                      | 210         | 3.0        | B-2. C-3               | 0     | Farming   |
| 2  | WEE   | ഹ          |        | က           | 23                    | 0         | Pump + Xedong | 330                      | 110         | 0.0        | B-0. C-0               | 0     | Rice mill |
| က  | BOWN  | 10         |        | φ           | က                     | =         | Pump + Xedong | 09                       | 220         | 2.6        | B-3. C-2               | 0     | Farming   |
| 4  | DEN   | თ          |        | 2           | 7                     | 0         | Pump + Xedong | 25                       | 250         | 4.2        | B-3. C-3               | 0     | Farming   |
| 2  | KAMBE MAN                                   | <b>L</b>   |        | 7           | 2                     | 0         | Pump + Xedong | 20                       | 430         | 3.5        | B-4. C-8               | 0     | Farming   |
| 9  | SINTOW                                      | 12         |        | 2           | 9                     | =         | Pump + Xedong | 35                       | 230         | .23        | В-1. С-0               | 0     | Farming   |
| 7  | SAMLON                                      | 14         |        | 2           | ō,                    | 0         | Pump + Xedong | 7.0                      | 380         | 2.0        | B-3. C-5               | 0     | Farming   |
| æ  | POUN  | 7          |        | 0           | 0                     | 2         | Pump + Xedong | 06                       | 370         | 2.0        | B-0. C-0               | o o   | Farming   |
| თ  | YONG  | <b></b>    |        |             | ည                     | 0         | Pump + Xedong | 540                      | 410         | 2.0        | B-3. C-5               | 0     | Farming   |
| 10 | MONGTE                                      | œ          |        | 4           | 4                     | 0         | Pump + Xedong | 630                      | 450         | 2.6        | B-3, C-5               | 0     | Farming   |
|    |   |            |        |             |                       |           |               |                          |             |            |                        |       |           |

(Sheet 1) Result of Water Use Survey Selection 5 Villages in Champasak Province

Village LOUY (P) Enumerator Mr. CHIAN Weather CLEAR

Source Observed Mr. TONGCHAN (Third Village Chief) Date. 22 . June 1995.

HOUSEHOLD CENSUS

|           | Name of   | No in         | HOUSEHO      | HOUSEHOLD COMPOSITION                               |           |              | DISTANCE TO WATER SOURCE | ATER SOURCE | Ħ          | INDICES OF wealth's   | alth's              |            |
|-----------|-----------|---------------|--------------|---|-----------|--------------|--------------------------|-------------|------------|-----------------------|---------------------|------------|
| Ŝ         | - 1       | Household     | O tol2 Years | Household head Household O tol2 Years 13 to60 Years | Over to60 | Water Source | 01d (m)                  | New (m)     | Paddy (ha) | Paddy(ha) Livestock's | 0ther               | Remarks    |
| -         | KHEO      | က             | Ħ            | . 81  | 0         | WELL + PUMP  | 1, 250                   | 180         | 0.5        | B-0. C-2              | B-0. C-2 Handicraft | Farming    |
| 63        | KEN       | . <del></del> | 0            | -   | 0         | WELL + PUMP  | 1,300                    | 210         | 0.5        | B-1. C-0              | 0                   | Farming    |
| က         | TONG CHAN | က             | 0            | ့က  | 0         | WELL + PUMP  | 1,200                    | 120         | 0.5        | B-0. C-0              | 0                   | Farming    |
| ₹1.       | CHIAN     | ,<br>LG       | 1            | <b>.</b>  | -         | WELL + PUMP  | 1, 100                   | 160         | 1.0        | B-3. C-6              | B-3. C-9 Handicraft | Farming    |
| ιO        | BUNPHEN   | . 2           | 2<br>2       | თ   | 83        | WELL + PUMP  | 1,000                    | 09          | 1.3        | B-2. C-0              | B-2. C-0 Handicraft | Farming    |
| <b>\$</b> | VAO       | မ             | 4            | 63  | 0         | WELL + PUMP  | 1,000                    | 50          | 0.5        | B-1. C-3              | 0                   | Farming    |
| 1         | DAMDY     | 2             | 4            | ო   | 0         | WELL + PUMP  | 1,000                    | 160         | 1.5        | B-1. C-4              | 0                   | Farming    |
| œ         | BONGNIAN  | 7             | 4            | က   | 0         | WELL + PUMP  | 1, 100                   | 180         | 1.5        | B-1. C-0              | O                   | Farming    |
| ග         | PORA      | 5             | က            | 77  | 0         | WELL + PUMP  | 006                      | 110         | 0.0        | B-0. C-0              | 0                   | Labor work |
| 2         | MAISAY    | မှ            | ်<br>တ       | . 67  | 1         | WELL + PUMP  | 1, 150                   | 140         | 1.0        | B-1. C-2              | B-1. C-2 Handicraft | Farming    |
|           |           |               |              | . *   |           |              |                          |             |            |                       |                     |            |

2.5 Water Use Survey in 10 Villages (During Rainy Season)

Result of Water Use Survey Selection 10 Families in Village (Sheet 2)

| ٠                             |                    | 1                | Interview | for    | each 10 Us | Users |            | Survey date 27. | 7. June, 1995. |           |          |
|-------------------------------|--------------------|------------------|-----------|--------|------------|-------|------------|-----------------|----------------|-----------|----------|
| Village Name LAK 24(P)        |                    | 83               | 69        | ধ্য    | ro         | 9     | 2          | œ               | o<br>o         | 10        | -        |
| Name of Selected House head   | SY                 | KAMPEAN          | LIAN      | SAVANT | SIAM       | KHON  | PHAT       | SICHIANT        | TOMDAM         | MARAITOMG | subtotal |
| Water stored last night (A)   | 15                 | 20               | 40        | 30     | 09         | 30    | 0          | 10              | 10             | 10        | 225      |
| Drinking unboiled (yes or no) | YES                | YES              | YES       | YES    | YES        | YES   | <b>9</b> . | YES             | YES            | YES       |          |
| [ MORNING ]                   |                    |                  |           |        |            |       |            |                 |                |           |          |
| 1) Cooking and Tea            | 15                 | 10               | 15        | 15     | 10         | 15    | 01         | 10              | 10             | 10 .      | 120      |
| 2) Washing food and utensils  | വ                  | 2                | r.        | 10     | 01         | 10    | ស          | ဏ               | ល              | ις        | 65       |
| 3) Perconal Washing           | 0                  | 0                | 0         | 0      | 0          | 0     | 0          | 0               | 0              | 30        | 30       |
| 4) Washing clothes            | 0                  | 0                | 0         | 0      | 0          | 0     | 0          | 0               | 0              | 20        | 20       |
| 5) Garden watering            | 0                  | 0                | 0         | 0      | 0          | 0     | 0          | 0               | 09             | 0         | 9        |
| 6) Livestock                  | 0                  | 0                | 0         | 0      | 0          | 0     | 0<br>0     | 0               | 0              | 0         | 0        |
| 7) Brewing and industry       | 0                  | 0                | 0         | 0      | 0          | 0.    | 0          | 0               | 0              | 0         | 0        |
| Sub TOTAL (B)                 | 20                 | 15               | 50        | 25     | 20         | 25    | 15         | 15              | 75             | 65        | 295      |
| Water collected in morning    | 40                 | 20 20            | 50.       | 20     | <br>       | 20    | 202        | 20              | 20             | 20        | 270      |
| Water stored in morning (G)   | 10                 | 10               | 01        | 10     | 10         | 10    | 0          | 10              | 10             | 10        | 99       |
| CHECK: (A+B)-C=TOTAL          | 25                 | 25               | 20        | 45     | 20         | 45    | 15         | 15              | 75             | 65        | 430      |
| [ AFTERMOON ]                 | <br> -<br> -<br> - | )<br>t<br>b<br>1 | {<br>     |        |            |       |            |                 |                |           |          |
| 1) Cooking and Tea            | 15                 | 10               | - 15      | 15     | 15         | 15    | 12         | 10              | 15             | 10        | 135      |
| 2) Washing food and utensils  | 10                 | 10               | 2         | 10     | 10         | 10    | ις.<br>·   | 10              | 10             | 10        | 06       |
| 3) Personal Washing           | 0                  | . <b>O</b> .     | 0         | 0      | 0          | 0     | 0          | 0               | 0              | 30        | 90       |
| 4) Washing clothes            | 0                  | 0                | 0         | 0      | 0          | 0     | 0          | 0               | 0              | 0         | 0        |
| 5) Garden watering            | 0.0                | 0                | 0         | 0      | 0          | 0     | 0          | 0               | 09             | 0         | 9        |
| 6) Livestock                  | 0                  | 0                | 0         | 0      | 0          | 0     | 0          | 0               | 0              | 0         | 0        |
| 7) Brewing and industry       | 0                  | 0                | 0         | 0      | Φ.         | 0     | 0          | 0               | 0              | 0         |          |
| Sub Total (0)                 | 25                 | 20               | 20        | 25     | 25         | 25    | 20         | 20              | 85             | 50        | 315      |
| Water collected during day    | 09                 | 40               | 70        | 40     | 09         | 40    | 0          | 80              | 160            | 40        | 290      |
| Water stared in evening (E)   | 10                 | 10               | 10        | 10     | 30         | 20    | 10         | 10              | 10             | 10        | 130      |
| CHECK: (C + D) - E = TOTAL    | 25                 | 20               | 20        | 25     | 2          | 15    | 10         | 50              | 85             | 50        | 275      |
| Clothes washed at source ?    | RIVER              | RIVER            | RIVER     | RIVER  | RIVER      | RIVER | RIVER      | RIVER           | RIVER          | PUMP      |          |
| Personal washing at source ?  | RIVER              | RIVER            | RIVER     | RIVER  | RIVER      | RIVER | RIVER      | RIVER           | RIVER          | PUMP      |          |

subtotal 원 8 원 8 8 20 82 8 8 15 5 5 60 60 0 0 % Survey date 27. June. 1995. Result of Water Use Survey Selection 10 Families in Village (Sheet 2) BOULEUT PUMP PUMP YES 40 20 <del>Q</del> 2 20 60 AMO. 없[8 <u>용</u>i 20 2 01 04 82 00 0 15 PUMP <u>~</u> ₩00 줸용 TES TES 15 04 0 8 TAO SAVAN 150 8 8 8¦8 20 40 15 YES 40 15 Interview for each 10 Users TAO CHIT **名** 8 8 TAO TEAN PURP ဖွေ တ္တုန္တ 00 00 08 20 0 NHOU PUMP 320 30 ZS YES <del>0</del> <del>0</del> 80 SAOSOK 9 20 40 20 ø VILAI 2 E කු ක 28 75 10 Personal Washing at source? Water collected during day Water stared in evening (E) Orinking unboiled (yes or no) Name of Selected House head Clothes washed at source Village Name BENG (P) Water stored last night (A) Water collected in morning Water stored in morning (C) CHECK: (A + B) - C = T0TAL CHECK: (C + D) - E = TOTALSub Total (D) 2) Washing food and utensils 2) Washing food and utensils Sub TOTAL (B) [ AFTERNOON ] [ MORNING ] 7) Brewing and industry 7) Brewing and industry 1) Cooking and Tea 3) Personal Mashing 3) Personal Washing 1) Cooking and Tea 4) Washing clothes 4) Washing clothes 5) Garden watering 5) Garden watering 6) Livestock

1475

28 \$ 1320

1160

Result of Water Use Survey Selection 10 Families in Village (Sheet 2)

| Village Name HONAKHONA        | THE TONE |                           | INCOLVIOR       |          |         | USBLS   |         | ontrey date | 24. June. 1995. |                                |          |
|-------------------------------|----------|---------------------------|-----------------|----------|---------|---------|---------|-------------|-----------------|--------------------------------|----------|
|                               | <br>1 ,  | 2                         | က               | 4        | ક       | ဖ       | 7       | ∞           | ō.              | 10                             |          |
| Name of Selected House head   | SAGUAN   | SATITH                    | PAKASO          | KHAMHEUM | HACK    | NOU     | OHM     | SUUR        | WAY             | SUAM                           | subtotal |
| Water stored last night (A)   | 10       | 10                        | 10              | 20       | 10      | 10      | 10      | 10          | 10              | 10                             | 110      |
| Drinking unboiled (yes or no) | YES      | YES                       | YES             | YES      | YES     | NO      | YES     | YES         | YES             | YES                            |          |
| [ MORNING ]                   |          |                           |                 |          | ;       |         |         | Š           |                 | ,                              |          |
| 1) Cooking and Tea            | 15       | 10                        | 121             | 50       | 10      | 10      | 10      | 10          | 15              | 10                             | 521      |
| 2) Washing food and utensils  | 15       | Ŋ                         | 10              | 10       | വ       | 21      | 10      | 10          | 2               | 10                             | 85       |
| 3) Personal Washing           | 40       | 40                        | 30              | 40       | 20      | 0       | 40      | 30          | 30              | 40                             | 310      |
| 4) Wasting clothes            | 30       | 30                        | 0               | 40       | 0       | 0       | 40      | 0           | 0               | 40                             | 180      |
| 5) Garden watering            | 0        | :                         | 0               | 0        | 09      | 20      | 0       | 0           | 20              | 0                              | 100      |
|                               | 0        | 0                         | 0               | 0        | 0       | 0       | 0       | 0           | 0               | 0                              | 0        |
| 7) Brewing and industry       | 0        | 0                         | 0               | 0        | 0       | . 0     | 0       | 0           | 0               | 0                              | •        |
| Sub T01AL (B)                 | 100      | 85                        | 22              | 110      | 92      | 35      | 100     | 50          | 70              | 100                            | 800      |
| Water collected in morning    | 20.      | 0                         | <br>  20<br>  1 | 202      | 20      | 20      | 20      | <br>  0<br> | 20              | 20                             | 160      |
| Mater stored in morning (C)   | 10       | 10                        | 121             | 10       | 01      | 10      | 10      | 10          | 10              | 01                             | 105      |
| CHECK: (A + B) - C = TOTAL    | 100      | 82                        | 20              | 120      | 95      | 35      | 100     | 50          | 70              | 100                            | 802      |
| [ AFTERNOW ]                  | <br>     | ;<br> <br> <br> <br> <br> | <br>            |          |         |         |         | <br>        |                 | <br> -<br> -<br> -<br> -<br> - |          |
| 1) Cooking and Tea            | 12       | 10                        | 15              | 20       | 10      | 10      | 10      | 01          | 15              | 10                             | 125      |
| 2) Washing food and utensils  | 15       | رۍ<br>ص                   | 10              | 10       | 10      | ſΟ      | 10      | 10          | 10              | 01                             | 95       |
| 3) Personal Washing           | 30       | 30                        | 40              | 40       | 40      | 50      | 40      | 40          | 40              | 90                             | 400      |
| 4) Washing clothes            | 0        | 0                         | 0               | 0        | 0       | 0       | 0       | 0           | 0               | 0                              | 0        |
| 5) Garden watering            | O        | 0                         | 0               | 20       | 09      | 82      | 0       | 0           | 20              | 0                              | 120      |
| 6) Livestock                  | 0        | 0                         | 0               | 0        | 0       | 0       | 0       | 0           | 0 -             | 0                              | 0        |
| 7) Brewing and industry       | 0        | 0                         | 0               | 0        | 0       | 0       | 0       | 0           | 0               | 0                              | 0        |
| Sub Total (D)                 | 09       | 45                        | 92              | 06       | 120     | 55      | 90      | 99          | .   85          | 100                            | 740      |
| Water collected during day    | 40       | 0                         | 40              | 99       | 99      | 40      | 40      | 0           | 40              | 40                             | 360      |
| Water stared in evening (E)   | 10       | 10                        | 10              | 10       | 10      | 10      | 10      | 01          | 10              | 01                             | 100      |
| CHECK: (C + D) - E = TOTAL    | 09       | 45                        | 70              | 06       | 120     | 55      | . 09    | 99          | 85              | 100                            | 745      |
| Clothes washed at source ?    | PUMP[2]  | POND                      | PUMP[2]         | PUMP[2]  | PUMP[2] | PUMP[2] | PUMP[2] | WELL        | PUMP[2]         | PUMP[2]                        |          |
| Personal washing at source ?  | PUMP[2]  | POND                      | PUMP[2]         | PUMP[2]  | PUMP[2] | PUMP[2] | PUMP[2] | WELL        | PUMP[2]         | PUMP[2]                        |          |

subtotal PUMP TAO KEN YES 40 10 60 20 55 2 2 Survey date 27. June. 1995. Result of Water Use Survey Selection 10 Families in Village (Sheet 2) NANGDAM RIVER RIVER YES 20 20 10 01 RIVER RIVER SONPUI 25 YES 30 10 RIVER RIVER 7 SINNO YES 40 22 5 RIVER RIVER TAPON ဓ္ဌ 10 o 8 2 2 Interview for each 10 Users TAO NHOY RIVER RIVER YES B 10 ဓ္ဌ 15 2 BUASON RIVER RIVER 180 10 පු 10 YES 30 0 8 5 RIVER RIVER MOCION 170 140 2 2 YES 0.5 PUMP PUMP MORO 35 YES 9 5 20 20 8 10 2 0 55 0 RIVER RIVER 140 23 25 23 J. VEN 15 15 Personal washing at source ? Water collected during day Nater stared in evening (E) Drinking unboiled (yes or no) Name of Selected House head Water stored in morning (C) CHECK: (C + D) - E = TOTALWater stored last night (A) Water collected in morning CHECK: (A + B) - C = TOTAL Clothes washed at source Village Name CHONG (P) 2) Washing food and utensils 2) Washing food and utensils [ AFTERNOON ] Sub Total (D) [ NORNING ] Sub TOTAL (B) 7) Brewing and industry 7) Brewing and industry 3) Personal Washing 3) Personal Washing 4) Washing clothes 1) Cooking and Tea 4) Washing clothes 5) Garden watering 1) Cooking and Tea 5) Garden watering 6) Livestock 6) Livestock

330

275 710

v Selection 10 Families in Village (Sheet 2)

|   | Result of W   | of Water       | Use Surv      | vey Selection   | _                | 10 Famili<br><b>Users</b> | es in Vil | Lage (<br>Survey date | Sheet 2 )<br>27. June. 1999 | ıń       |          |
|---|---------------|----------------|---------------|-----------------|------------------|---------------------------|-----------|-----------------------|-----------------------------|----------|----------|
| Village Name NONGPHAL (P)                 |               | 6              | 6             | 4               | ເພ               | 9                         |           |                       | ტი<br>,                     | 10       |          |
| Name of Selected House head               | MAYI          | TONGSY         | TABILAY       | CHA             | CHIAM            | VISAL                     | TATA      | POPAN                 | DOM                         | TUPON    | subtotal |
| Water stored last night (A)               | 10            | 20             | 10            | 15              | 10               | 10                        | 10        | 10                    | 10                          | 10       | 115      |
| Drinking unboiled (yes or no)             | YES           | YES            | YES           | YES             | YES              | YES                       | YES       | YES                   | NO<br>N                     | YES      |          |
| [ MORNING ]                               |               |                |               |                 |                  |                           |           |                       |                             |          |          |
| 1) Cooking and Tea                        | 15            | 15             | 15            | 15              | 01               | 15                        | 10        | 15                    | 10                          | 15       | 135      |
| 2) Washing food and utensils              | 'n            | 10             | 10            | 10              | വ                | ß                         | 2         | 2                     | £.                          | ស        | 65       |
| 3) Personal Washing                       | 20            | 20             | 20            | 20              | 20               | 20                        | 20        | 20                    | 20                          | 20       | 200      |
| 4) Washing clothes                        | 0             | 50             | 20            | 0               | 0                | 0                         | 40        | 20                    | 20                          | 20       | 140      |
| 5) Garden watering                        | 0             | 30             | 0             | 30              | 30               | 30                        | 30        | 20                    | 20                          | 40       | 230      |
|   | 0             | 0              | 0             | 0               | 0                | 0                         | 0         | 0                     | S                           | 0        |          |
| 7) Brewing and industry                   |               | 0              | 0             | 0               | 0                | 0                         | 0         | 0                     | 0                           | 0        | Φ `      |
| Sub TOTAL (B)                             | 40            | 95             | 65            | 75              | 65               | 70                        | 105       | 80                    | 75                          | 100      | 077      |
| Water collected in morning                | 30            | 9              | 20            | 9               | 30               | 30                        | 30        | 20                    | 40                          | 70       | 390      |
| Mater stored in morning (C)               | 15            | 10             | 15            | 10              | 10               | 01 2                      | 10        | 10                    | 01                          | 10       | 110      |
| CHECK: (A + B) - C = TOTAL                | 35            | 105            | 90            | 80              | 65               | 70                        | 105       | 08                    | 75                          | 100      | 775      |
| [ AFTERNON ]                              | <br>          | 1              |               |                 |                  |                           |           |                       |                             |          |          |
| 1) Cooking and Tea                        | 15            | 15             | 15            | 15              | 10               | 15                        | 10        | 15                    | 10                          | 15       | 135      |
| 2) Washing food and utensils              | 10            | S              | 2             | 10              | 01               | Ŋ                         | ស         | 01                    | 10                          | ω        | 75       |
|   | 40            | 9              | 09            | 80              | 88               | 40                        | 80        | 80                    | 09                          | 09       | 640      |
| 4) Washing clothes                        | 0             | 0              | 0             | 0               | 0                | 0                         | <b>.</b>  | 0                     | 0                           | 0        | •        |
| 5) Garden watering                        | 0             | 30             | 0             | 30              | 30               | 30                        | 30        | 50                    | 20                          | 40       | 230      |
|   | 0             | 0              | 0             | 0               | 0                | 0                         | 0         | 0                     | 0                           | 0 0      | 0        |
| 7) Brewing and industry                   | : <b>0</b>    | 0              | 0             | 0               | 0                | 0                         | •         | 0                     | 0                           | 0        | ٥        |
| Sub Total (0)                             | 65            | 110            | 88            | 135             | 130              | 06                        | 125       | 125                   | 100                         | 120      | 1080     |
| Water collected during day                | <br>  09<br>  | <br>  6<br>  6 | 40.           | :<br>  6<br>  6 | 1<br>1<br>1<br>1 | 06                        | 06        | 09                    | 120                         | 130      | 098      |
| Water stared in evening (E)               | 10            | 10             | 10            | 10              | 10               | 10                        | 01        | 10                    | 10                          | . 10     | <u>8</u> |
| CHECK: (G + D) - E = TOTAL                | 70            | 110            | 85            | 135             | 130              | 90                        | 125       | 125                   | 100                         | 120      | 1090     |
| Clothes washed at source ?                | PUMP [2] PUMP | PUMP [2]       | PUMP [2] P    | PUMP [2]        | PUMP [2]         | PUNP [2]                  | PUMP [2]  | ] PUMP [2]            | PUMP [1]                    | PUMP [1] |          |
| Personal washing at source? PUMP [2] PUMP | PUMP [2]      | [2]            | PUMP [2] PUMP |                 | [2] PUMP [2]     | PUMP [2]                  | PUMP [2]  | ] PUMP [2]            | PUMP [1]                    | PUMP [1] |          |
|   |               | į              |               |                 |                  |                           |           |                       |                             |          |          |

Result of Water Use Survey Selection 10 Families in Village (Sheet 2)

| 10   15   15   15   15   15   10   10   |  | desult o       | Kesult of Water |                             | ey sere        | Jse Survey Selection to ramittee | ramilli      | TT A 111  | age \ Ji                                | 27 June 1999  |        |            |
|---|--|----------------|-----------------|-----------------------------|----------------|----------------------------------|--------------|---|---|---------------|--------|------------|
| 1   |  |                |                 |                             | 5              | 20 01 10                         | <br>9        |   | 2 | 0             |        | •          |
| House head PHU WEE BOWN DEN NAMES MAN SIATON SANILON FOLL TO TO TO TAIL THOUSE HEAD TO  | Village Name DONMUANG (P)  | -              | 61              | m                           | ਰਾ (           | 0 1                              | 0            | io iliato   | 2 S                                     | CNON          | MONGTR | - Letothia |
| tright (A) 10 10 10 10 20 10 10 10 10 10 10 10 10 10 10 10 10 10  | Name of Selected Mouse head  | PHU            | WEE             | BOWN                        | DEN            | KAMBE MAN                        | SINTON       | SAMILUN   | roon                                    | וסגום         | MONUTE | Subtotat   |
| Upper or no.   FES   FES   FES   FES   NES   N  | Mater stored last night (A)  | 10             | 10              | 10                          | 20             | 10                               | 10           | 10  | 01                                      | 10            | 10     | 110        |
| utensis 5 5 10 10 10 15 15 15 10 10 15 15 15 10 15 10 15 10 15 10 15 10 15 10 15 10 15 10 15 10 15 10 15 10 15 10 15 10 15 10 10 10 10 10 10 10 10 10 10 10 10 10   | Drinking unboiled (yes or no)  | YES            | YES             | YES                         | YES            | YES                              | 0N           | YES   | YES                                     | YES           | YES    |            |
| trensis 5 5 10 10 115 115 115 110 115 5 5 5 10 15  trensis 6 5 10 5 5 5 5 10 5 5 5 5 5 10 5 5 5 5   | [ NORNING ]  |                |                 |                             |                |                                  |              |   |   |               |        |            |
| utensite         5         5         10         5         5         10         5           utensite         5         5         10         5         5         10         5         10         5           try         0  |  | ה<br>ה         | τ               | 10                          | 10             | 15                               | 15           | 12  | 10                                      | 15            | 12     | 135        |
| stry  (b)  c)  c)  d)  d)  ethy  (c)  d)  ethy  (d)  ethy  ethy  (e)  ethy  ethy  (f)  ethy  eth  |  | 3 u            | 2 14            | 27                          | , LC           | l IC                             | ເຄ           | ю   | 10                                      | <b>ن</b><br>د | 2      | 9          |
| etry  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   | Z Masming 1000 and ulensity  | ; · c          | o c             | <b>?</b> c                  | · C            | C                                | 0            | 0   | 0                                       | 0             | 0      |            |
| ### ### ### ### ### ### ### ### ### ##  | 3) Fersonal mashing  | > <            |                 | , c                         | · 0            | 0                                | 0            | 0   | 0                                       | 0             | 0      |            |
| Sub   Total   Color   |  | > <            | , c             | · ·                         |                | Ö                                | 0            | 0   | 0                                       | 0             | 0      | •          |
| Persing and industry   0  | Sur Janes January (C   | · -            | > C             | ·                           | . 0            | 0                                | 0            | 0   | 0                                       | 0             | 0      |            |
| Color   Colo  | o) Livestoon   | , c            | · •             | 0                           | 0              | 0                                | 0            | 0   | 0                                       | 0             | 0      | 0          |
| NA         30         30         30         30         20         20           (c)         30         30         30         30         20         20         20           (c)         30         15         20         20         20         20         20           (c)         30         15         10         15         15         10         10         10           10         10         10         10         15         15         10         10         10           10         10         10         10         10         10         10         10           10         10         10         10         10         10         10         10           0   | C. browning and modern 5   | , 02<br>02     | 20              | 20                          | 15             | 50                               | 20           | 20  | 20                                      | 20            | 20     | 195        |
| AL         9         15         20         20         15         16         16         16         16         10 </th <th>Meter collected in morning</th> <th></th> <th>30</th> <th><br/>80</th> <th>50</th> <th>30</th> <th>1<br/>08<br/>1</th> <th> <br/>  000<br/>  1000<br/>  1000<br/> </th> <th>20</th> <th>20</th> <th>20</th> <th>290</th> | Meter collected in morning   |                | 30              | <br>80                      | 50             | 30                               | 1<br>08<br>1 | <br>  000<br>  1000<br>  1000<br> | 20                                      | 20            | 20     | 290        |
| AL         0         15         10         15         15         15         16         10         10           15         15         15         15         15         10         10         10           10         10         10         15         15         15         10         10         10           10         10         10         10         10         10         10         10         10           0          0   | Water stored in morning (C)  | 3 00           | 121             | 50                          | 50             | 20                               | 15           | 15  | 20                                      | 20            | 20     | 195        |
| 15   15   10   15   15   10   10   10   |  | C              | ň               | 10                          | <u>.</u>       | C                                | <u>.</u>     | 15  | 10                                      | 10            | 10     | 110        |
| 15   15   10   15   15   10   10   10   | CHCK: (A + B) - C = 101AL  | 1              |                 |                             | 1              | 1 1 23 1 1 2                     |              | 1 1 1 1   | }<br>                                   | <br>          |        |            |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$   | [ AFTERNOON ]  |                |                 | ,                           | · ;            | L                                | Ļ            | •   | . 01                                    | 9             | 01     | 105        |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$   | 1) Cooking and Tea   | 52             | 15              | 10                          | લ              | ស្ន                              | G ;          | 01  | 9 9                                     | 2 5           | 2 -    | <b>3</b>   |
| stry 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  | 2) Washing food and utensils   | 10             | 01              | 10                          | ស              | <u>د</u> .                       | 21           | ol ·  | 01 (                                    | ٥             | 2 ¢    | ,          |
| stry 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  | 3) Personal Washing  | 0              | 0               | 0                           | 0              | 0                                | 0            | 0   | 0                                       | <b>o</b>      | ÷ •    |            |
| Garden watering         0   | 4) Washing clothes   | 0              | 0               | 0 .                         | 0              | 0                                | 0            | 0   | 0                                       | 0             | 0      | •          |
| Elivestock 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  |  | 0              | 0               | 0                           | 0              | 0                                | 0            | 0,  | 0                                       | 0             |        | 0          |
| Sub Total (D) $\frac{25}{1000} = \frac{25}{1000} = \frac{25}{1000} = \frac{25}{1000} = \frac{20}{100} $  |  | 0              | 0               | 0                           | 0              | 0                                | 0            | 0   | 0                                       | 0             | 0      | _          |
| Diagram         25         26         26         20 <t< th=""><th>7) Brewing and industry</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th></th></t<>  | 7) Brewing and industry  | 0              | 0               | 0                           | 0              | 0                                | 0            | 0   | 0                                       | 0             | 0      |            |
| 90         60         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         20         20         20         20         20         20         20         30         10         20         20         20         20         20         20           7         RIVER  | Sub Total (D)  | 25             | 25              | 20                          | 20             | 20                               | 25           | 20  | 20                                      | 20            | 20     | 215        |
| 20         20         10         30         20         20         20         20         20         20           35         20         30         10         20         20         15         20         20           7         RIVER         RIVER         RIVER         RIVER         RIVER         RIVER         RIVER         RIVER         RIVER  | The strain of th | <br>  6<br>  6 | i<br>  09       | 1<br>1<br>1<br>20<br>1<br>1 | <br>  &<br>  & | 1<br>1<br>1<br>1<br>1<br>1<br>1  | 9            | 09  | 50                                      | 50            | 40     | )09        |
| 35 20 30 10 20 20 15 20 20 20 20 20 20 20 20 20 20 20 20 20   | Water stared in evening (E)  | 2 8            | 30              | 10                          | 30             | 20                               | 20           | 50  | 20                                      | 20            | 20     | 200        |
| 7 RIVER   | TY101 ≈ 4 = (0 + 3) X39R3  | 35             | 20              | 30                          | 10             | 20                               | 20           | 15  | 20                                      | 20            | 20     | 210        |
| ? RIVER RIVER RIVER RIVER RIVER RIVER RIVER RIVER   | Clothes washed at source ?   | RIVER          | RIVER           | RIVER                       | RIVER          | RIVER                            | RIVER        | RIVER   | RIVER                                   | RIVER         | RIVER  |            |
|   | Personal washing at source?  | RIVER          | RIVER           | RIVER                       | RIVER          | RIVER                            | RIVER        | RIVER   | RIVER                                   | RIVER         | RIVER  |            |

Result of Water Use Survey Selection 10 Families in Village (Sheet 2)

|                               | u TO TITICAN | ale I             | Interview | for   | each 10 Users | ers           | T                   | Survey date 27. | June. 1995. | 5.     |          |
|-------------------------------|--------------|-------------------|-----------|-------|---------------|---------------|---------------------|-----------------|-------------|--------|----------|
| Village Name LOUY (P)         | -            | 61                | (0        | 4     | n<br>N        | <b>\$</b>     |                     | œ               | 6           | 10     |          |
| Name of Sefected House head   | KHEO         | KEN               | TONG CHAN | CHIAN | BUNPHEN       | VAO           | DAMDY               | BONGNIAN        | PORA        | MAISAY | subtotal |
| Mater stored last night (A)   | 10           | 10                | 10        | 10    | 10            | 10            | 10                  | 10              | 10          | 10     | 100      |
| Drinking unboiled (yes ar no) | YES          | YES               | YES       | YES   | YES           | YES           | YES                 | YES             | YES         | YES    |          |
| [ MORNING ]                   |              |                   |           |       | ٠             | ٠             |                     |                 |             |        |          |
| 1) Gooking and Tea            | 15           | 10                | . 01      | 10    | 10            | 15            | 10                  | 15              | 15          | 10     | 120      |
| 2) Washing food and utensils  | гo           | ភេ                | 10        | 10    | ស             | ιc            | ហ                   | 2               | ιĊ          | S      | 9        |
| 3) Personal Washing           | 40           | 40                | 40        | 09    | 40            | 40            | 40                  | 40              | 40          | 40     | 450      |
| 4) Washing clothes            | 50           | 0                 | 0         | 20    | 20            | 20            | 500                 | 20              | 20          | 20     | 160      |
| 5) Garden watering            | 0            | 0                 | 0         |       | 0             | 0             | 0                   | 0               | 0           | 0      | 0        |
| 6) Livestock                  | 0            | 0                 | 0         | 0     | 0             | 0             |                     | 0               | 0           | 0      | 0        |
| 7) Brewing and industry       | 0            | 0                 | 0         | 0     | 0             | 0             | 0                   | 0               | 0           | 0      | 0        |
| Sub T0TAL (B)                 | 80           | 55                | 60        | 100   | 75            | 80            | 75                  | 80              | 80          |        | 092      |
| Mater collected in morning    | 09           | 1<br>1<br>2<br>1  | 20        | 20    | 50            | 20            | 20                  | 20              | 20          | 20     | 280      |
| Water stored in morning (C)   | 15           | 10                | 15        | 10    | 10            | 10            | 15                  | 10              | 10          | 10     | 115      |
| CHECK: (A + B) - C = TOTAL    | 75           | 52                | 55        | 100   | 75            | 80            | 70                  | 80              | 80          | 75     | 745      |
| [ AFTERNOON 3                 |              | <br> <br> -<br> - |           |       |               | <br> -<br> -  | <br>  .<br> <br>  . |                 |             |        | •        |
| 1) Cooking and Tea            | 10           | 15                | 10        | 10    | 15            | 15            | 15                  | 10              | 15          | 15     | 130      |
| 2) Washing food and utensils  | 10           | ıs                | 10        | 10    | ည             | <u>ئ</u><br>د | ທ                   | 10              | ന           | Ċ      | 70       |
| 3) Personal Washing           | 09           | 40                | 40        | 88    | 80            | 09            | 09                  | 50              | 9           | 09     | 290      |
|                               | 0            | 0                 | 0         | 0     | 0             | 0             | 0                   | 0               | 0           | 0      | 0        |
| 5) Garden watering            | 0            | 0                 | 0         | 0     | 0             | 0             | 0                   | 0               | 0           | 0      | 0        |
| 6) Livestock                  | 0            | 0                 | 0         | 0     | 0             | 0             | • ·                 | 0               | 0           | 0      | 0        |
| 7) Brewing and industry       | 0            | 0                 | 0         | 0     | ō             | 0             | 0                   | 0               | 0           | 0      | 0        |
| Sub Total (D)                 | 80           | 9                 | 09        | 100   | 100           | 80            | 80                  | 70              | 80          | 80     | 790      |
| Water collected during day    | 100          | 100               | 40        | 40    | 40            | 40            | 40                  | 40              | 40          | 40     | 520      |
| Mater stared in evening (E)   | 20           | 20                | 50        | 01    | 15            | 15            | 20                  | 01<br>01        | 12          | 15     | 160      |
| CHECK: $(C + D) - E = TOTAL$  | 75           | 50                | 55        | 100   | 95            | 75            | 75                  | 20              | 75          | 7.5    | 745      |
| Clothes washed at source ?    | PUMP         | WELL              | WELL      | PUMP  | PUMP          | PUMP          | PUMP                | PUMP            | PUMP        | PUMP   |          |
| Personal washing at source?   | PUMP         | WELL              | PUMP      | PUMP  | PUMP          | PUMP          | PUMP                | PUMP            | PUMP        | PUMP   |          |

Result of Water Use Survey Selection 10 Families in Village (Sheet 2)

|   |                   |                                 | Interview   | for each    | each 10 Us     | Users    |        | Surve      | , ,                    |              |          |
|---|-------------------|---------------------------------|-------------|-------------|----------------|----------|--------|------------|------------------------|--------------|----------|
| Village Name SENVANG-NOY  | _                 | 2                               | دن          | 4.          | гo             | ယ        | 1      | ÷          | <b>\$</b>              | 01           |          |
| Name of Calected House head   | SIE MUAN          | LEY                             | PIN         | LAO         | LITE           | EA0      | KANUA  | LAY        | TONGPAT                | BUASONG      | subtotal |
|   | QT                | 2                               | 10          | 10          | 10             | 10       | 10     | 10         | 10                     | 10           | 100      |
| Prinking unboiled (ves or no)   | 2                 | Q.                              | Q.          | NO<br>NO    | 2              | 8        | ON .   | 0N         | NO<br>NO               | <u>R</u>     |          |
|   |                   |                                 |             |             |                |          |        |            |                        |              |          |
| TORRESPOND TO THE PROPERTY OF | 101               | - 01                            | 10          | 01          | 10             | 10       | 15     | 15         | 15                     | 10           | 115      |
| 1) COOKING BILL TOOL INTERNAL OF  | i ic              | ហ                               | ഹ           | ъ           | 5              | ວ        | 3      | <b>د</b> م | ហ                      |              | <u>8</u> |
|   | s c               |                                 |             |             | 20             | 30       | 0      | 0          | 30                     | 0            | 8        |
| 3) Personal Mashing   | > 5               | > 6                             | <b>,</b> c  | » c         | } <b>-</b>     | 0        | 0      | 0          | 0                      | 0            | 9        |
|   | <del>2</del> c    | 3 <                             | ·<br>• •    | o C         |                | 0        | 0      | 0          | 0                      | 0            | 0        |
| 5) Garden watering  | <b>-</b>          | <b>&gt;</b> <                   | > <         | · ·         |                | 0        | 0      | 0          | 0                      | 0            | 0        |
| 6) Livestock  | <b>)</b>          | <b>.</b> .                      | • <b>•</b>  | 0           | 0              | 0        | 0      | 0          | 0,                     | 0            | 0        |
| (Inches de de la constante de | , ,               | , ¦                             | <u> </u>    | 1<br>1      | 25             | 45       | 50     | 20         | 20                     | 15           | 305      |
| Sub TOTAL (8)   | 1<br>20<br>1<br>1 | કા <sub>.</sub>                 | 1<br>1<br>1 | <br>        | 1<br>31 c      |          | 08<br> | 20 20      |                        | 30 1         | 70       |
| Water collected in morning  | 0                 | <b>&gt;</b> ;                   | <b>5</b> (  | > <b>\$</b> | > 5            | > =      | 3 -    | <u> </u>   | 01                     | 10           | 85       |
| Water stored in morning (C)   | LO                | 0 .                             | 0           | OT .        | 2              | 10       | 9      | 3          | •  <br>•               | : L          |          |
| CHECK: (A + B) - C = TOTAL  | 09                | 35                              | 25          | 15          | 35             | 45       | 20     | 20         |                        | 1 12 1 1 1 1 | 320      |
| A PETERNOON 1   | <br>              | t<br>!<br>!<br>!<br>!<br>!<br>! | <br>        |             |                | ٠        |        |            |                        | ;            |          |
| 1) Cooking and Tea  | 15                | . 15                            | 15          | 15          | 10             | 15       | 10     | 15         | 12                     | 12           | 140      |
|   | , LE              | L.                              | ια          | LC          | ശ              | ល        | ſΩ     | S          | rC                     | LC           | 2        |
|   |                   |                                 |             | 0           | 50             | 0        | 0      | 20         | 0                      | 20           | 99       |
| 3) Fersonal Mashing   | <b>.</b>          | > (                             |             |             |                | ·<br>C   | c      | C          | 0                      | 0            | 6        |
| 4) Washing clothes  | <b>-</b> (        | :<br>->                         | > <         | > 0         | ·.             | , c      | · c    | . c        | 0                      | 0            | 0        |
| 5) Garden watering  | <b>.</b>          | <b>&gt;</b>                     |             | > <b>c</b>  | )<br>          | , c      | 0      | 0          | 0                      | 0            | 0        |
| 6) Livestock  | <b>&gt;</b> <     | > 0                             | > <         | > <b>c</b>  | • <del>•</del> | · c      | 0      | 0          | 0                      | 0            | 0        |
| 7) Brewing and Industry   | 5 6               | ۶. ۶                            | > 5         | ر<br>د<br>د | 32             | 20       | 15     | 40         | 20                     | 40           | 250      |
| Sub 101al (U)   | 810               | 31 C                            | 1<br>210    |             | 0              | 0        | 202    | 50 50      | 1<br>1<br>20<br>1<br>1 | 09           | 190      |
| Mater collected on the day  | . <u>π</u>        | <u>.</u>                        | 10          | 10          | 15             | 15       |        | 15         | 10                     | 10           | 125      |
| Mater Stared III evening (L)  | ? =               | <u> </u>                        | <u> </u>    | 50          | 30             | 15       | 15     | 35         | 20                     | 40           | 210      |
| CHECK: (C + D) - E = (UIAL  | ULVED             | L.S.                            | PIVER       | PIVER       | RIVER          | RIVE     |        | RIVER      | RIVER                  | RIVER        |          |
| Clothes washed at source  | NIVEN             | מקוונת                          | ממונה מ     | מבותבם      | DIVER          | PIVER    |        | RIVER      | RIVER                  | RIVER        |          |
| Personal washing at source?   | RIVER             | KIVEK                           | KIVEK       | KIVEN       | Na Ten         | 11.11.02 |        |            |                        |              |          |

Result of Water Use Survey Selection 10 Families in Village (Sheet 2) Interview for each 10 Users

|                               |                           | . •                  | nterview                      | Tor            | each in Usei   | ers            |                | Survey date 27.  | 7. June. 1995. |                |          |
|-------------------------------|---------------------------|----------------------|-------------------------------|----------------|----------------|----------------|----------------|------------------|----------------|----------------|----------|
| Village Name THAT-NOY         | -                         |                      | က                             | ঝ              | ເຄ             | 9              | L              | æ                | 6              | 10             |          |
| Name of Selected House head   | SOY                       | THING                | BOUATHONG                     | HIN            | TAO CHO        | NANGNYON       | TAO HSUT       | Mrs. PENG        | TAO CHUM,      | TABY           | subtotal |
| Water stored last night (A)   | 10                        | 10                   | ī.                            | 01             | 10             | 5              | 10             | 10               | 10             | 10             | 06       |
| Drinking unboiled (yes or no) | NO                        | 0N                   | YES                           | N<br>N         | <u>Q</u>       | ON.            | NO             | ON.              | NO             | NO.            |          |
| [ MORNING ]                   |                           |                      |                               |                |                |                |                |                  |                |                | •        |
| 1) Cooking and Tea            | 15                        | 15                   | 01                            | 15             | 15             | 15             | 10             | 01               | 15             | 10             | 130      |
| 2) Washing food and utensils  | Ŋ                         | ល                    | ស                             | ß              | ιc             | 5              | c)             | ស                | ហ              | 22             | 20       |
| 3) Personal Washing           | 0                         | 0                    | 0                             | 0              | 0              | 0              | . 0            | 0                | 0              | 0              | 0        |
| 4) Washing clothes            | 0                         | 0                    | 0                             | 0              | 0              | 0              | 0              | 0                | 0              | 0              | 0        |
| 5) Garden watering            | 0                         | 0                    | 0                             | 0              | 0              | 0              | 0              | 0                | 0              |                | 0        |
| 6) Livestock                  | 0                         | 0                    | 0                             | 0              | 0              | 0              | 0              | 0                | 0              | 0              | 0        |
| 7) Brewing and industry       | . 0                       | 0                    | 0                             | 0              | 0              | 0              | 0              | .0               | 0              | 0              | 0        |
| Sub T07AL (8)                 | 20                        | 20                   | 15                            | 20             | 20             | 20             | 15             | 15               | 20             | 15             | 180      |
| Mater collected in morning    | <br> <br>  0<br>          | <br>  0<br>          |                               | 0              | 0              | 0              | 0              | 0                | 0              | 0              | 0        |
| Water stored in morning (C)   | 10                        | 10                   | D                             | 10             | 10             | က              | 10             | 10               | 10             | 10             | 90       |
| CHECK: (A + B) - C = TOTAL    | 20                        | 20                   | 12                            | 20             | 20             | 20             | 15             | 15               | 20             | 15             | 180      |
| [ AFTERNOON ]                 | !<br> <br> <br> <br> <br> | }<br> <br> <br> <br> | <br> <br> <br> <br> <br> <br> |                |                |                |                |                  | l.<br>         |                | -        |
| 1) Cooking and Tea            | 15                        | . 15                 | 10                            | 15             | 15             | 12             | 10             | 101              | 15             | 01             | 130      |
| 2) Washing food and utensils  | Ŋ                         | ឆេ<br>               | ιο                            | ស              | 2              | ည              | വ              | ശ                | ഹ              | ιO             | 20       |
| 3) Personal Washing           | 0                         | 0                    | 0                             | 0              | 0              | 0              | 0              | 0                | . 0            | . 0            | 0        |
| 4) Washing clothes            | 0                         | 0                    | 0                             | 0              | 0              | 0              | 0              | 0                | 0              | 0              | 0        |
| 5) Garden watering            | 0                         | 0                    | 0                             | 0              | 0              | 0              | 0              | 0                | . 0            | 0              | 0        |
| 6) Livestock                  |                           | 0                    | 0                             | 0              | 0              | 0              | 0              | 0                | 0              | 0              | 0        |
| 7) Brewing and industry       | 0                         | 0                    | 0                             | 0              | 0              | 0              | 0              | 0                | 0              | 0              | 0        |
| Sub Total (D)                 | 20                        | 20                   | 15                            | 20             | 20             | 20             | 15             | 15               | 20             | 15             | 180      |
| Mater collected during day    | <br> <br> <br>  O<br>     | <br> <br>  0<br>     | 0                             | 0              | 0              | 0              | 0              | 0                | 30             | 20             | 20       |
| Mater stared in evening (E)   | 15                        | 15                   | 10                            | 10             | 15             | 15             | 15             | 10               | 10             | 10             | 125      |
| CHECK: (C + D) - E = TOTAL    | 15                        | 15                   | 10                            | 20             | 15             | 10             | 10             | 15               | 20             | 15             | 145.     |
| Clothes washed at source?     | RIVER<br>RIVER            | RIVER<br>RIVER       | RIVER<br>RIVER                | RIVER<br>RIVER | RIVER<br>RIVER | RIVER<br>RIVER | RIVER<br>RIVER | RIVER '<br>RIVER | RIVER<br>RIVER | RIVER<br>RIVER |          |

Result of Water Use Survey Selection 10 Families in Village

|                               |             |                  | Interview             | for      | each 10 Us                      | Users                   | i.         | Survey date 27. | 27. June. 1995. |      |          |
|-------------------------------|-------------|------------------|-----------------------|----------|---------------------------------|-------------------------|------------|-----------------|-----------------|------|----------|
| VIII age Name NONGKHAMKHAO    |             | 2                | က                     | <b>4</b> | ស                               | 9                       | 7          | œ               | 6               | 01 . |          |
| Name of Selected House head   | BAUNTAVY    | SAMAN            | PEAN                  | KEAMSEN  | DAO                             | VANHY                   | BOUA       | POUN            | KHAN            | VONG | subtotal |
| Water stored last night (A)   | 10          | 10               | 10                    | 0.       | 20                              | 10                      | 15         | 10              | 10              | 10   | 115      |
| Drinking unboiled (yes or no) | YES         | YES              | YES                   | YES      | YES                             | NO                      | YES        | YES             | YES             | YES  |          |
| [ NORNING ]                   |             |                  |                       |          |                                 | · .                     |            |                 |                 |      |          |
| 1) Cooking and Tea            | 12          | 10               | 10                    | 10       | 15                              | 100                     | 10         | 10              | 01              | 10   | 110      |
| 2) Washing food and utensils  | က           | က                | 10.                   | ശ        | 15                              | rυ                      | 10         | 10              | 53              | ıç.  | 75       |
| 3) Personal Washing           | 30          | 40               | 30                    | 40       | 40                              | 30                      | 40         | 30              | 40              | 40   | 360      |
| 4) Washing clothes            | 93          | 0                | 0                     | 0        | 0                               | 50                      | 0          | 0               | 0               | 0    | 50       |
| 5) Garden watering            | 0           | 0                | 0                     | .0       | 0                               | 0                       | 0          | :<br>•          | 0               | 0    | 0        |
| 6) Livestock                  | 0           | 0                | 0                     | 0        | 0                               | 0                       | 0          | 0               | 0               | 0    | 0        |
| 7) Brewing and industry       | 0           | 0                | 0                     | 0        | 0                               | 0                       | 0          | <b>0</b>        | 0               | 0    | 0        |
| Sub T0TAL (B)                 | 80          | 55               | 20                    | 22       | - 22                            | 65                      | 9          | 20              | 55              | 55   | 595      |
| Water collected in morning    | 40          | 40               | <br> <br>  0<br> <br> | 20       | <br> <br> <br>  0<br> <br> <br> | 20                      | 20         | 20              | 20              | 20   | 200      |
| Water stored in morning (C)   | 0           | 0                | 0                     | 10       | 10                              | 10                      | O          | 10              | 10              | 10   | 9        |
| CHECK: (A + B) - C = TOTAL    | 06          | 65               | 0.9                   | 55       | 80                              | 65                      | 75         | 50              | 55              | 55   | . 650    |
| [ AFTERNON ]                  | ;<br>;<br>; | 2<br>5<br>6<br>5 |                       | <br>     | <br>                            | !<br>!<br>!<br>!<br>! . | )<br> <br> |                 |                 |      | 1        |
| 1) Cooking and Tea            | 15          | 10               | 15                    | 20       | 10                              | 15                      | 10         | 10              | 15              | 10   | 130      |
| 2) Washing food and utensils  | 15          | ល                | 10                    | 15       | ιΩ                              | ιΩ                      | 10         | 10              | 10              | 10   | 95       |
| 3) Personal Washing           | 20          | 80               | 30                    | 80       | 80                              | 20                      | 70         | 20              | 50              | 09   | 620      |
| 4) Washing clothes            | 0           | 0                | 0                     | Ģ        | 0                               | 0                       | 0          | 0               | 0               | 0    | 0        |
| 5) Garden watering            | 0           | 0                | 0                     | 0        | 0                               | 0                       | 0          | 0               | 0               | 0    | 0        |
| 6) Livestock                  | 0           | 0                | 0                     | 0        | 0                               | 0                       | Ó          | 0               | 0               | 0    | 0        |
| 7) Brewing and industry       | 0           | 0                | 0                     | 0        | 0                               | 0                       | 0          | 0               | 0               | 0    | 0        |
| Sub Total (D)                 | 80          | 95               | 55                    | 115      | 95                              | 70                      | 06         | 06              | 75              | 80   | 845      |
| Water collected during day    | 09          | 09               | 0                     | 40       | 0.                              | 40                      | 40         | 99              | 40              | 40   | 380      |
| Mater stared in evening (E)   | 20          | 15               | 10                    | 15       | 15                              | 20                      | 15         | 20              | 10              | 20   | 190      |
| CHECK: (C + D) - E = TOTAL    | 09          | 80               | 45                    | 110      | 06                              | 30                      | 75         | 80              | 75              | 70   | 715      |
| Clothes washed at source ?    | PUND        | PUND             | POND                  | PUND     | PUND                            | TANK                    | - ONNA     | PUND            | PUND            | POND |          |
| Personal washing at source?   | WELL        | WELL             | POND                  | WELL     | WELL                            | TANK                    | WELL       | WELL            | WELL            | WELL |          |

2.6 Water Collection Survey in 10Villages (During Rainy Season)

Result of Water Collection Survey in Selected Each 10 Families (Sheet 3)

| Times between which observed Survey Date 27. June. 1995.   Pumping Volume and Time   Survey Date 27. June. 1995.   Pumping Volume and Time   Survey Date 27. June. 1995.   Survey Date 20. Sur |  |   |                        |             |   |             | •                                 |                     |                  |   |                       |                   |
|--|--|---|------------------------|-------------|---|-------------|-----------------------------------|---------------------|------------------|---|-----------------------|-------------------|
| 6. 10 5. 00 6. 20 5. 20 6. 30 0. 00 6. 20 7. 00 5. 20  CIRL WOMAN GIRL WOMAN GIRL GIRL GIRL GIRL WOMAN  11. 20 0. 00 10. 00 0. 00 12. 00 0. 00 0. 00 0. 00 0. 00 0. 00  CIRL WOMAN  11. 20 0. 00 10. 00 0. 00 0. 00 0. 00 0. 00 0. 00 0. 00  CIRL SOME GIRL GIRL GIRL GIRL GIRL GIRL GIRL GIRL   | age Name<br>of Source o<br>of Water So | LAK 24<br>bbserved Mr.<br>ource (HANI   | . TONG SAY<br>D PUMP,) |             |   | Pumping     | Times betv<br>Survey Da<br>Volume | veen whice te 27.   | e.               |   |                       |                   |
| 6. 10 5. 00 6. 20 6. 20 6. 30 0. 00 6. 20 7. 00 5. 20  CIRL GIRL GIRL GIRL GIRL GIRL GIRL GIRL G   | of House                               | SY                                      | KANPEAN                | LIAN        | SAVAT                                   | SIAM        | KHON                              | PHAT                | SICHIANT         | TOMDAM                                  | MARAITONG             | Remarks           |
| 6. 10 5. 00 6. 20 5. 20 6. 20 6. 30 0. 0. 0 6. 20 7. 00 5. 20  20 20 20 20 20 20 20 20 20 20 20 20  11. 20 0. 00 10. 00 0. 00 12. 00 0. 00 0. 00 0. 00 2. 00 0. 00  CIRL WMAN GIRL WOMAN GIRL WOMAN GIRL WOMAN GIRL WOMAN GIRL WOMAN GIRL GIRL WOMAN GIRL GIRL GIRL WOMAN GIRL GIRL GIRL GIRL GIRL WOMAN GIRL GIRL GIRL GIRL GIRL GIRL GIRL GIRL   |  |   |                        |             |   |             |                                   |                     |                  |   | ;                     | -                 |
| CIRL   WOMAN   CIRL   CIRL   WOMAN   CIRL   | ollect time                            | 6.10                                    | 5.00                   | 6. 20       | 5.20                                    | 6.20        | 6.30                              | 0 00                | 6. 20            | 7.00                                    | 5. 20                 | * Pumping         |
| 11, 20   0, 00   10, 00   0, 00   12, 00   0 | ctor                                   | GIRL                                    | WOMAN                  | GIRL        | WOMAN                                   | GIRL        | GIRL                              |                     | GIRL             | GIRL                                    | WOMAN                 | Volume            |
| 11.20  | t (Liter)                              | 20                                      | 20                     | 20          | 20                                      | 20          | 20                                | 1                   | 20               | 20                                      | 20                    | _ (Liter/time)    |
| 11.20   0.00   10.00   0.00   12.00   0.00   0.00   2.00     GIRL   WOMAN   GIRL   WOMAN   FM   FM   FM   FM   FM   FM   FM   F  |  | 1<br>                                   |                        |             | <br>                                    |             |                                   |                     | i.e.             | PM                                      |                       |                   |
| CIRL   WOMAN   CIRL   WOMAN   CIRL   SO   CIRL   CIRL  | ollect time                            | 11.20                                   | 0.00                   | 10.00       | 0.00                                    | 12.00       | 0.00                              | 0.00                | 00.00            | 2. 00                                   | 0.00                  | Md **             |
| 20     30     PM     PM     PM     PM     PM       5. 50     4. 00     5. 30     0. 00     5. 30     5. 20     0. 00     5. 30     5. 40       WOMAN     GIRL     GIRL     GIRL     GIRL     GIRL     GIRL     GIRL     GIRL       20     20     20     20     20     60     60       0. 00     0. 00     0. 00     0. 00     0. 00     0. 00     0. 00       0. 00     0. 00     0. 00     0. 00     0. 00     0. 00     0. 00       0. 00     0. 00     0. 00     0. 00     0. 00     0. 00     0. 00  | ector                                  | GIRL                                    |                        | GIRL        |   | WOMAN       |                                   | -                   |                  | GIRL                                    |                       | After             |
| EM         PM         PM<   | nt (Liter)                             | 20                                      |                        | 30          | !                                       | 20-         | !<br>!<br>!<br>!                  | <br> <br> <br> <br> | ;<br>;<br>;<br>; | 80                                      | 1 1 1 1               | Midday_           |
| 5.50       4.00       5.30       5.20       0.00       5.30       5.40         WOMAIN       GIRL  |  | - MA                                    | !<br>!                 |             | <br>                                    | M.<br>  M.  | NA.                               |                     | PM               | Md                                      | PM                    |                   |
| WOMAN GIRL CIRL CIRL GIRL GIRL GIRL GIRL GIRL GIRL  20 20 20 20 20 60 60 60 60 60 60 60 60 60 60 60 60 60  | lect time                              | 5.50                                    | 4.00                   | 5.30        | 00.00                                   | 5.30        | 5.20                              | 00.00               | 5.30             | 5.40                                    | 6.00                  |                   |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$  | ector                                  | WOMAN                                   | GIRL                   | GIRL        | GIRL                                    | GIRL        | GIRL                              |                     | GIRL             | GIRL                                    | WOMAN                 |                   |
| 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0   | nt (Liter)                             | 20                                      | 20                     | 20          | 20                                      | 20          | 20                                | 1 1 1               | 69               | - 60                                    | 20                    | <br>              |
| 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0   | i<br>1<br>1<br>1<br>1<br>1<br>1        | !<br>                                   |                        |             |   |             |                                   |                     | :                |   | •                     |                   |
| t time   | ollect time                            | 00.00                                   | 0.00                   | 0.00        | 0.00                                    | 0.00        | 0.00                              | 0.00                | 0.00             | 0.00                                    | 0.00                  |                   |
| e e e e e e e e e e e e e e e e e e e  | ector                                  |   |                        |             |   |             |                                   |                     |                  |   |                       |                   |
| e e e e e e e e e e e e e e e e e e e  | nt_(Liter)                             | <br>                                    | 1 1 1                  | ;<br>!<br>! | 1 1                                     | 1 1 1 1     | 1 1 1                             | 1 1 1 1             | 1                | 1 1 1                                   |                       | 1 1 1 1 1 1 1 1 1 |
| 50 40 60 40 0 80 160   |  |   |                        |             |   |             |                                   |                     |                  |   |                       |                   |
| ie   | ollect time                            |   |                        |             |   |             |                                   |                     |                  |   |                       |                   |
| le l   | ector                                  |   |                        |             |   |             |                                   |                     |                  |   |                       |                   |
|  | nt_(Liter)                             | 1 | 1 1 1 1 1              | 1 1 1       | 1 1 1                                   | 1 1 1 1 1 1 | 1                                 |                     | 1                | 1 | 1 1 1 1 1 1           | 1 1 1 1           |
| 60 $40$ $60$ $40$ $60$ $40$ $60$ $80$ $160$  | ollect time                            |   | •                      |             |   |             |                                   |                     |                  |   |                       |                   |
|  | ector                                  |   |                        |             |   |             |                                   |                     |                  |   | ٠                     |                   |
| 60 40 70 40 60 40 0 80 160   | nt (Liter)                             | <br>   <br>   <br>   <br>               | 1 1                    | 1 1 1       | 1 | 1 1 1       | <br>                              | <br>                |                  | 1 1 1                                   | 1<br>1<br>1<br>1<br>1 | 1 1 1 1 1         |
|  | WT (Liter/dav)                         | 9                                       | 40                     | 70          | 40                                      | 09          | 40                                | 0                   | 80               | 160                                     | 40                    |                   |

Result of Water Collection Survey in Selected Each 10 Families (Sheet 3.1

| Village Name LAK 24               | LAK 24  | r TONG SAV          |                  |                           |                          | Times betwee | ween whic | Times between which observed |                      |                  |                          |
|-----------------------------------|---------|---------------------|------------------|---------------------------|--------------------------|--------------|-----------|------------------------------|----------------------|------------------|--------------------------|
| Kind of Water Source (HAND PUMP,) | rce (HA | IND PUMP, )         |                  |                           | Pumping                  | Volume       | and T     | <b>)</b>                     |                      |                  |                          |
| Name of House                     | SY      | KAMPEAN             | LIAN             | SAVAT                     | SIAM                     | KHON         | PHAT      | SICHIANT                     | ТОМВАМ               | MARAITONG        | Remarks                  |
| 1) Collect +ime                   | 30      | 9                   | 6 20             | 22                        | 6.20                     | 6.10         |           | 9.00                         | 5.45                 | 5.30             |                          |
| Collector                         | GIRL    | HOMEN               | GIRL             | WOMEN                     | GIRL                     | GIRL         |           | MEN                          | MEN                  | WOMEN            |                          |
| Amount (Liter)                    |         | 20                  | 20               | 20                        | 20                       | 20           | 1 1 1     | 20                           | 20                   | 20               | <br>                     |
|                                   |         | :                   |                  | -                         |                          |              | :<br>:    |                              |                      |                  |                          |
| 2) Collect time                   |         |                     |                  |                           | 11.30                    |              |           |                              |                      | 10.30            |                          |
| Collector                         |         |                     |                  |                           | WAN                      |              |           |                              | -                    | MAN              |                          |
| Amount (Liter)                    | 0       | 0                   | 0                | 0                         | 20                       | 0            | 0         | 0                            | 0                    | 20               | <br> <br> <br> <br> <br> |
|                                   |         | Md                  | ¥.               | ₩.d                       | PM                       | P.           |           | M.                           | Z                    | PM               |                          |
| 3) Collect time                   | 5.50    | 4.00                | 5, 30            | 9.00                      | 5.30                     | 5. 20        |           | 5.30                         | 5.40                 | 3, 30            |                          |
| Collector                         | WOMEN   | GIRL                | GIRL             | MEN                       | GIRL                     | GIRL         |           | GIRL                         | GIRL                 | WOMEN            |                          |
| Amount (Liter)                    | 20      | 20                  | 20               | 20                        | 20                       | 20           | 1         | 20                           | 20                   | 20               | <br>                     |
|                                   | 9       | ç                   | 0                | 6                         | 20                       | 00           |           | 00 0                         | 00                   | 00 0             | ٠.                       |
| 4) Collect time                   | 00.0    | 9                   | 3                | 3                         | 3                        | 3            |           | \$                           | ;                    | ;                |                          |
| Amount (Liter)                    |         |                     |                  |                           |                          | !            | !<br>!    |                              | ;<br>;<br>;<br>;     | <br>             | <br> <br> <br> <br> <br> |
| 5) Collant time                   | <br>    |                     |                  |                           |                          |              |           |                              | <br>  .<br>          |                  |                          |
| Collector                         |         |                     |                  |                           |                          |              | 5<br>     |                              |                      |                  |                          |
| Amount (Liter)                    |         | <br> <br> <br> <br> | i<br>1<br>1<br>1 | ,<br> <br> <br> <br> <br> | 1                        | <br>         | 1         |                              | )<br> <br> <br> <br> |                  | 1 1 1 1                  |
| 6) 0-11-24 +1-22                  |         |                     |                  |                           |                          | ٠.           |           |                              |                      |                  |                          |
| o) collect time                   |         |                     |                  | . ,                       |                          | -            |           |                              |                      |                  |                          |
| Amount (Liter)                    | <br>    | <br>                | ;<br>t<br>1<br>1 | <br> <br> <br> <br> <br>  | <br> <br> <br> <br> <br> | 1            |           | 1<br>1<br>1                  | <br>                 | )<br>}<br>(<br>1 | 1 1 1                    |
| AMOUNT (Liter/day)                | 40      | 40                  | 40               | 40                        | 99                       | 40           | 0         | 40                           | 40                   | 99               |                          |
|                                   |         |                     |                  |                           |                          |              |           |                              |                      |                  |                          |

(Sheet 3) Result of Water Collection Survey in Selected Each 10 Families

|   | I Remark's    |            | *               | IN Volume | (Liter/time)   |                           | Wd ** 0         | After     | Midday        |                | 0               | ٠١        |                |                |                 |           |                |                 |           |   |    |                 |           | <br>   <br>                             |                    |
|---|---------------|------------|-----------------|-----------|----------------|---------------------------|-----------------|-----------|---------------|----------------|-----------------|-----------|----------------|----------------|-----------------|-----------|----------------|-----------------|-----------|---|----|-----------------|-----------|---|--------------------|
|   | POUI          | . <b>ì</b> | 5, 50           | WOMAN     | 20             |                           | 0.00            |           | 1             | Md             | 6.20            | GIR       | 99             |                | 0.00            |           | i<br> <br>     |                 |           | 1                                       | •  |                 |           | {<br>                                   | 80                 |
| 96  | BOULEUT       |            | 6.20            | GIRL      | 20             |                           | 8.30            | GIRL      | 20            | - Land         | 5.50            | GIRL      | 69             |                | 0.00            |           | 1 1 1 1        |                 |           | 1 1 1 1 1 1 1                           |    |                 |           | 1 | 100                |
| Times between which observed<br>Survey Date. 27. June. 1995<br>Volume and Time      | KO            |            | 5.30            | GIRL      | 8 - 1          |                           | 9.30            | GIRL      | 20            | M              | 5, 45           | GIRL      | 09             |                | 0.00            | -         | 1              |                 |           | 1 |    |                 | -         | <br>                                    | 100                |
| reen which see . 27.  | МОД           |            | 5.30            | WOMAN     | 20             |                           | 0.00            |           | =             |                | 5.10            | GIRL      | 30             |                | 0.00            |           | 1 1 1          |                 |           | <br>                                    |    |                 |           | [<br>]<br> <br> <br> <br>               | 50                 |
| Times between which ol<br>Survey Date. 27. Ju<br>. Volume and Time                  | TAO SAVAN     |            | 5. 10           | WOMAN     | 20             |                           | 0.00            |           |               | Md             | 4.30            | GIRL      | 40             |                | 0.00            |           | 1 1 1          |                 |           | 1                                       | .* |                 |           | 1 1 1 1 1 1 1                           | . 09               |
| T.<br>So<br>Pumping   | TAO CHIT      |            | 5.00            | WOMAN     | 20             | <br>                      | 0.00            |           |               | PM             | 5, 45           | GIRL      | 30             | <br>           | 0.00            |           | 1              |                 |           |   |    |                 |           | <br> <br> <br> <br>                     | 50                 |
|   | TAO TEAN      |            | 5.40            | GIRL      | 20             | ;<br> <br> <br> <br> <br> | 7.30            | GIRL      | . 021         | Md             | 5.30            | GIRL      | 150            | <br>           | 0.00            |           | ,<br> <br>     |                 | -         | 1                                       |    |                 |           | 1 1 1 1 1 1 1 1 1                       | 320                |
| JMP )   | NHOU          |            | 5.50            | GIRL      | 20             | <br>                      | 9.30            | GIRL      | 150           | Md             | 5.00            | GIRL      | 150            | <br>           | 0.00            |           | <br>           |                 |           | 1 1 1                                   |    |                 |           | 1 1 1 1 1                               | 320                |
| VILAY<br>lectrical Pl   | SAOSOK        |            | 6.20            | GIRL      | 20             | i<br> <br>                | 7.30            | GIRL      |               | Mad<br> -      | 5.00            | GIRL      | 80             | <br> <br> <br> | 0.00            |           | 1              | ·<br>:          |           | 1                                       |    |                 | . •       | 1   1   1   1                           | 160                |
| BENG<br>served VI<br>rce (Elec  | VILAY         |            | 5.00            | WOMAN     | 20             |                           | 7. 10           | WOMAN     | 06            | Mg             | 4 00            | WOMAN     | 40             | <br>           | 0.00            |           | 1              |                 |           |   |    |                 |           |   | 80                 |
| Village Name BENG Name of Source observed VILAY Kind of Water Source (Electrical PU | Name of House |            | 1) Collect time | Collector | Amount (Liter) |                           | 2) Collect time | Collector | Contraction ( | Amount (Liter) | 3) Collect time | Collector | Amount (Liter) |                | 4) Collect time | Collector | Amount (Liter) | 5) Collect time | Collector | Amount (Liter)                          |    | 6) Collect time | Collector | Amount (Liter)                          | AMOUNT (Liter/day) |

Result of Water Collection Survey in Selected Each 10 Families (Sheet 3.1)

| Village Name BENG<br>Name of Source observed Mr. VILAY | BENG<br>observed Mr.      | *.         |       |   |                     | Times betwee<br>Survey Date | ween whi                              | bser<br>e.   | ved<br>1995.                  |         |                       |
|--|---------------------------|------------|-------|---|---------------------|-----------------------------|---------------------------------------|--|-------------------------------|---------|-----------------------|
| Kind of Water Source (Electrical PU                    | ource (Elec               | ctrical PU | ( JWL |   | Pumping             | y Volume                    | and Time                              | ıme  |                               |         |                       |
| Name of House  | VILAY                     | SAOSOK     | NHOU  | TAO TEAN                                | TAO CHIT            | TAO SAVAN                   | DOM                                   | KO   | BOULEUT                       | POUI    | Kemarks               |
| АМ   |                           |            |       | L                                       | c<br>C              | c<br>c                      |                                       | ر<br>د<br>د  | 06 9                          | 90      | -                     |
| 1) Collect time  | 5.30                      | 6.20       | 6. 20 | 5.40                                    | 2.00                | 6.30                        | 0.10                                  | 0. 20  | 0.20                          | 0. 30   |                       |
| Collector  | WOMAN                     | GIRL       | GIRL  | GIRL                                    | WOMEN               | GIRL                        | GIRL                                  | GIRL   | MEN                           | CIRL    |                       |
| Amount (Liter)   | 20                        | 30         | 30    | 20                                      | 20                  | 20                          | 120                                   | 20<br>1-1-20<br>1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1- | 20                            | 20      |                       |
|  |                           |            |       |   |                     |                             |                                       | (  |                               |         |                       |
| 2) Collect time  |                           | 00.6       | 10.00 | 8.00                                    |                     | 9. 00                       | 9. 10                                 | 8. 10  |                               |         |                       |
| Collector  |                           | WOMEN      | GIRL  | GIRL                                    |                     | MEN                         | GIRL                                  | MEN  |                               |         |                       |
| Amount (Liter)   |                           | 99         | 150   | 150                                     | <br>                | 20                          | 20                                    | 2007   |                               |         |                       |
|  |                           | Md -       | æ     | <u>~</u>                                | ₩<br>d.             | Z.                          | E.                                    | ž  | ž                             | E .     |                       |
| 3) Collect time  | 5.00                      | 5. 10      | 4.30  | 5.30                                    | 5, 45               | 4.30                        | 5. 10                                 | 5.45   | 5, 50                         | 6. 10   |                       |
| Collector  | GIRL                      | GIRL       | GIRL  | GIRL                                    | GIRL                | GIRL                        | GIRL                                  | GIRL   | GIRL                          | GIRL    |                       |
| Amount (Liter)   | 40                        | 80         | 150   | 150                                     | 30                  | 40                          | 98                                    | 99   | 09                            |         | 1 1 1                 |
|  |                           |            |       |   |                     |                             |                                       |  |                               |         |                       |
| 4) Collect time  | 0.00                      | 00.00      | 00.00 | 0.00                                    | 0.00                | 0.00                        | 0.00                                  | 0.00   | 0.00                          | 00.00   |                       |
| Collector  |                           |            |       |   |                     |                             |                                       |  |                               |         |                       |
| Amount (Liter)   | <br>                      |            | 1     | 1 | 1 1 1 1 1           | 1                           | <br> <br> <br> <br> <br>              |  | 1 1 1                         | 1 1 1 1 | 1 1 1 1 1             |
| 5) Collect time  |                           |            |       |   |                     | <br>                        |                                       |  |                               |         |                       |
| Collector  |                           |            |       |   |                     | •                           |                                       |  |                               |         |                       |
| Amount (Liter)   | <br>   <br>   <br>   <br> | 1 1        | <br>  | 1 | <br> <br> <br> <br> | 1                           | 1                                     |  | <br> <br> <br> <br> <br> <br> |         | :<br>:<br>:<br>:<br>: |
| 6) Colloct time  |                           |            |       |   |                     |                             |                                       |  |                               |         |                       |
| Collector  |                           |            |       |   |                     |                             |                                       |  |                               |         |                       |
| Amount (liter)   |                           |            |       |   |                     |                             |                                       |  | :                             |         |                       |
|  |                           | 1 1 1 1    | 1 1 1 | <br> <br> <br> <br>                     | 1 1 1 1             | 1                           | 1   1   1   1   1   1   1   1   1   1 | <br>   | <br>                          | <br>    | ;<br>                 |
| AMOUNT (Liter/day)                                     | 09                        | 170        | 330   | 320                                     | 20                  | 80                          | 70                                    | 100  | 80                            | 80      |                       |

Result of Water Collection Survey in Selected Each 10 Families (Sheet 3)

| Village Name LOUY Name of Source observed Mr. VAO Kind of Water Source (HAND PUMP,) | LOUY<br>sserved Ma<br>arce (HANI | Mr. VAO<br>NND PUMP,) |             |   | T<br>S<br>Pumping                 | Times betwee<br>Survey Date<br>; Volume a | imes between which ol<br>urvey Date 27. Jun<br>Volume and Time | Times between which observed<br>Survey Date 27. June. 1995.<br>Volume and Time | 1<br>95.                                |                  |              |
|---|----------------------------------|-----------------------|-------------|---|-----------------------------------|---|--|--|---|------------------|--------------|
| Name of House   | KHEO                             | KEN                   | TOMG CHAN   | CHIAN                                   | BUNPHEN                           | VAO                                       | DAMDAY   | BONGNIAN   | PORA                                    | MAISAY           | Remark's     |
| James V. Trocker  | 1                                | i d                   | ر<br>د<br>د | С                                       |                                   | بر<br>م                                   | 5 00   | 5.20   | 5.00                                    | 5.30             | * Pumping    |
| 1) Collect time   | D. 3U                            | OD .cc                | S. SU       | WOMAN.                                  | WOMAN                             | WOMAN                                     | WOMAN  | WOMAN  | WOMAN                                   | WOMAN            | Volume       |
| Collector Amount (1 iter)   | 20                               | 20                    | 20          | 20                                      | 50                                | 20  | 20   | 20   | 20                                      | 20               | (Liter/time) |
| Tanta Amount  |                                  | <br> <br>  <br>  <br> |             | E E                                     | <br> <br>  \<br>  \<br>  \<br>  \ | NA.                                       | PM   | 歪  | Md.                                     | ₩.               |              |
| 2) Collect time   | 8 00                             | 9.30                  | 5.30        | 4.30                                    | 5.30                              | 6.00                                      | 5.30   | 6.00   | 5.30                                    | 5.30             | Kd **        |
| Collector   | WOMAN                            | GIRL                  | GIRL        | BOY                                     | GIRL                              | GIRL                                      | GIRL   | GIRL   | WOMAN                                   | GIRL             | After        |
| Amount (Liter)  | 40                               | 40                    | 20          | 20                                      | 20                                | 20  | 20   | 20   | 20                                      |                  | Midday       |
|   | <br>  Ed                         | I<br>I<br>E<br>I      |             | <br> -<br> <br> -<br> -<br> -<br> -     |                                   |   |  |  |   |                  |              |
| 3) Collect time   | 5.30                             | 4. 20                 |             |   |                                   |   |  |  |   |                  |              |
| Collector   | GIRL                             | WOMAN                 |             |   |                                   |   | .*   |  |   |                  |              |
| Amount (Liter)  | 40                               | 40                    | <br>        | 1 1                                     | 1 1 1 1                           | 1 1 1 1 1 1                               | 1  | 1 1 1 1  | 1 1 1 1 1 1                             | 1   1   1   1    |              |
|   |                                  | :                     |             |   |                                   |   |  |  |   |                  |              |
| 4) Collect time   |                                  |                       |             | : '                                     |                                   |   |  | . :  |   |                  |              |
| Collector   |                                  |                       |             |   |                                   |   |  |  |   |                  |              |
| Amount (Liter)  | 1 1 1                            | 1                     |             | 1 1                                     | ;<br>;<br>;<br>;                  | 1 1 1 1                                   | <br>   |  | 1 | !<br>            | <br>         |
| · · · · · · · · · · · · · · · · · · ·   |                                  |                       |             |   |                                   |   |  | :  |   |                  |              |
| 5) Collect time   |                                  |                       |             |   |                                   |   | ٠.   |  | ŕ                                       |                  |              |
| Collector   |                                  |                       |             |   |                                   |   |  |  |   | 1                | 1            |
| Amount (Liter)  |                                  | 1 1 1 1 1 1 1 1 1     | <br>        | 1 |                                   |   | <br>   | <br> -<br> <br> <br> <br> <br> <br>  | <br>                                    |                  | <br> -<br>   |
| 6) Collect time   |                                  |                       |             |   |                                   |   |  |  |   |                  |              |
| Collector   |                                  |                       |             |   |                                   |   |  |  |   |                  |              |
| Amount (Liter)  |                                  |                       | 1 1 1 1 1   | 1 | <br> <br> <br> <br> <br>          | 1   | 1 1 1 1 1 1 1  | 1 1 1 1  | 1                                       | !<br>!<br>!<br>! | <br>         |
| AMOUNT (Liter/day)  | 100                              | 100                   | 40          | 40                                      | 40                                | 40  | 40   | 40   | 40                                      | 40               |              |

Result of Water Collection Survey in Selected Each 10 Families (Sheet 3.1

| Village Name LOUY   | λſ                | •                                     |                          |       |              | limes bet               | ween whic                | Times between which observed |             |        |                       |
|---|-------------------|---------------------------------------|--------------------------|-------|--------------|-------------------------|--------------------------|------------------------------|-------------|--------|-----------------------|
| Name of Source observed Mr. VAO Kind of Water Source (HAND PUMP,) | rved M<br>e (HAND | Mr. VAO<br>ID PUMP,)                  |                          |       | s<br>Pumping | Survey Date<br>Volume a | te 28. Jui<br>and Time   | June 19<br>me                | 1995.       |        |                       |
| Name of House   | KHEO              | KEN                                   | TOMG CHAN                | CHIAN | BUNPHEN      | VAO                     | DANDAY                   | BONGNIAN                     | PORA        | MAISAY | Remarks               |
|   |                   | ;                                     |                          |       |              |                         |                          |                              |             | . !    |                       |
| 1) Collect time   | 2.00              | 5.30                                  | 5, 45                    | 2.00  | 2,00         | 5.30                    | 5. 10                    | 5, 00                        | 2.30        | 2.00   |                       |
| Collector   | WOMEN             | WEN                                   | MEN                      | MEN   | NOMEN        | MEN                     | WOMEN                    | MEN                          | MEN         | WOMEN  |                       |
| Amount (Liter)  | 20                | 20                                    | 20                       | 20    |              | 20                      | 20                       |                              | 20          | 20     |                       |
|   |                   |                                       |                          |       |              |                         |                          |                              |             |        |                       |
| 2) Collect time   |                   |                                       |                          |       | 10.00        |                         |                          |                              |             | 11.00  |                       |
| Collector   |                   |                                       |                          |       | ВОУ          | :                       |                          |                              |             | BOY    |                       |
| Amount (Liter)  | 0                 | 0                                     | <br> <br> <br> <br> <br> | 0     | 20           | 0                       | <br> <br> <br> <br> <br> | 0                            | 0<br>0<br>1 | 20 1   | ;<br>;<br>;<br>;<br>; |
|   | PM                | Æ                                     | PM                       | PW.   | PM           | PM                      | E.                       | P.                           | Æ           | FA.    |                       |
| 3) Collect time   | 5.00              | 5.30                                  | 5.30                     | 5.00  | 5.20         | 5. 10                   | 5 00                     | 5.00                         | 5.30        | 5.00   |                       |
| Collector   | MAN               | MEN                                   | WOMEN                    | GIRL  | WOMEN        | GIRL                    | GIRL                     | GIRL                         | GIRL        | GIRL   |                       |
| Amount (Liter)  | 20                | 30                                    | 30                       | 30    | 08           | 20                      | 20                       | 30                           | 20          | 20     |                       |
|   |                   |                                       |                          |       |              |                         | :                        |                              |             |        |                       |
| 4) Collect time   |                   |                                       |                          |       |              |                         |                          |                              |             |        |                       |
| Collector   |                   |                                       |                          |       |              |                         |                          |                              |             |        |                       |
| Amount (Liter)  |                   | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | <br>                     |       | <br>         | 1 1                     | 1                        | <br>                         |             | 1 1    |                       |
|   |                   |                                       | · .                      |       |              |                         |                          |                              | -           |        |                       |
| 5) Collect time   |                   |                                       |                          | -     |              |                         |                          |                              |             |        |                       |
| Collector   |                   |                                       | -                        |       |              |                         |                          | ·                            |             |        |                       |
| Amount (Liter)  |                   |                                       |                          |       | 1 1 1 1 1 1  | 1 1 1 1                 | 1 1 1                    | 1 1 1 1 1 1                  |             | 1 1 1  |                       |
|   |                   |                                       |                          |       |              |                         |                          |                              |             |        |                       |
| 6) Collect time   |                   |                                       |                          |       |              |                         |                          | •                            |             |        | . 6                   |
| Collector   |                   |                                       |                          |       |              |                         |                          |                              |             |        |                       |
| Amount (Liter)  |                   |                                       | 1 1 1 1 1                |       |              | 1                       | 1 1 1 1                  | 1 1 1 1 1                    |             | 1 1 1  |                       |
| AMOUNT (Liter/day)  | 40                | 20                                    | 50                       | 50    | 70           | 40                      | 40                       | 50                           | 40          | . 09   |                       |

Result of Water Collection Survey in Selected Each 10 Families (Sheet 3)

| Village Name DONMUANG Name of Source observed Mr. BOWN Kind of Water Source (HAND PUMP,) | DONMUANG<br>served M<br>irce (HAN | r. BOWN<br>D PUMP,)      |                     |           | Times betw<br>Survey Dat<br>Pumping Volume   | Times betwee<br>Survey Date<br>; Volume a | Times between which observed<br>Survey Date 27. June. 19<br>Volume and Time | h observe<br>June. 1<br>me | ed<br>1995.         |               |   |
|--|-----------------------------------|--------------------------|---------------------|-----------|--|---|---|----------------------------|---------------------|---------------|---|
| Name of House  | PHU                               | ¥EE                      | BOWN                | DEN       | KANBE MAN                                    | SINTOW                                    | SAMLON  | POUN                       | YONG                | MONGTE        | Remark's                                |
|  | o o                               | r<br>C                   | £ 40                | 9         | 7 90   | ,<br>,                                    | 90  | 30                         | 5 00                | 6.00          | * Pumping                               |
| I) Collect time  | 0. 30                             | 00<br>CTPI               | OF C                | WOMAN     | GIRI   | GIR.                                      | MAN   | GIRL                       | POMEN               | GIRL          | Volume                                  |
| Collector Amount (liter)   | 30                                | 30                       | 30                  | 20        | 30   | 30  | 30  | 20                         | 20                  | 20            | _ (Liter/time)                          |
|  | <br>                              | <br>                     |                     | <br> <br> | <br>  \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ | 풆   | P.M.  | PM                         | Æ                   | ¥             |   |
| 2) Collect time  | 4. 10                             | 4.00                     | 3.30                | 7.10      | 5.00   | 5.15                                      | 5, 10   | 5.00                       | 6.00                | 5.20          | ** PM                                   |
| Collector  | GIRL                              | GIRL                     | GIRL                | GIRL      | GIRL   | GIRL                                      | GIRL  | GIRL                       | WAMEN               | GIRL          | After                                   |
| Amount (Liter)   | 30                                | 30                       | 20                  | 30        | 30   | 등<br>당<br>-                               | 30  | 30                         | 30                  |               | Midday                                  |
|  | M. M.                             |                          |                     | Æ         |  | ٠   |   |                            |                     |               |   |
| 3) Collect time  | 5.30                              |                          |                     | 5.00      |  |   |   |                            |                     |               |   |
| Collector  | GIRL                              | -                        |                     | GIRL      |  |   |   |                            |                     |               |   |
| Amount (Liter)   | 30                                | <br> <br> <br> <br> <br> | <br> <br> <br> <br> | 30        |  | . i                                       | 1 1 1 1   | 1 1 1                      | 1 1 1 1             | 1 1 1 1 1 1 1 | 1 1 1 1                                 |
|  | <br> -<br> -<br> -                | <br>                     | •                   |           |  |   |   |                            |                     |               |   |
| 4) Collect time  |                                   |                          |                     |           |  |   |   |                            | -                   |               |   |
| Collector  |                                   | -<br>                    |                     |           | -  |   |   |                            |                     |               | ÷                                       |
| Amount (Liter)   |                                   | 1 1 1                    | 1 1 1 1             |           | 1  | 1 1 1 1                                   |   | 1                          | <br> <br> <br> <br> | 1             | 1                                       |
|  |                                   |                          | :                   |           |  |   | - •   |                            |                     |               |   |
| 5) Collect time  |                                   |                          |                     |           |  |   |   |                            |                     |               |   |
| Collector  |                                   |                          |                     |           |  |   |   |                            |                     | ,             |   |
| Amount (Liter)   | 1 1 1                             | 1 1 1 1 1                | ]                   | <br>      | <br>   | 1   | !<br>!<br>!   |                            |                     | 1 1 1 1 1 1   | !<br>!<br>!<br>!                        |
| 6) Collect time  |                                   |                          |                     |           |  |   |   |                            |                     |               |   |
| Collector  | * * .                             |                          |                     |           |  |   |   |                            |                     | •             |   |
| Amount (Liter)   | 1                                 |                          | 1                   | 1 1       | 1 1 1 1                                      | 1 1 1 1                                   | 1 1 1 1 1   | 1 1 1 1 1 1 1              | 1 1                 |               | 1 |
| AMOUNT (Liter/day)   | 06                                | 09                       | 20                  | 80        | 09   | 09  | 9   | 50                         | 50                  | 40            |   |
| Agonia veacon  |                                   |                          |                     |           |  |   |   |                            |                     |               |   |

Result of Water Collection Survey in Selected Each 10 Families (Sheet 3.1)

| Village Name DONMUA<br>Name of Source observed | DONMUANG<br>bbserved Mr. BOWN | NM                         |                     |                               | Times betwee<br>Survey Date | en which                       | sh observed<br>June 1995. | <b>-</b>         |   |                      |
|--|-------------------------------|----------------------------|---------------------|-------------------------------|-----------------------------|--------------------------------|---------------------------|------------------|---|----------------------|
| Kind of Water So                               | AND P                         |                            |                     | Pumping                       | Volume                      | Volume and lime                | ]e                        | ·                | ALCOHOL:                                |                      |
| Name of House                                  | PHU , WEE                     | E BOWN                     | DEN                 | KAMBE MAN                     | SINTON                      | SAMLON                         | FOUN                      | YONG             | MUNCIE                                  | Kemarks              |
| 1) Collect time                                | 6.00 5.30                     | 30 5.00                    | 6,00                | 7.00                          | 6.30                        | 6.30                           | 7.00                      | 6.00             | 6.30                                    |                      |
| Collector                                      |                               |                            | WEN                 | WOMEN                         | GIRL                        | WOMEN                          | GIRL                      | MEN              | BOY                                     |                      |
| Amount (Liter)                                 | <br>                          | 2020                       | 20                  | 20                            | 20                          | 20                             | 20                        | 20               | 20                                      | 1 1 1                |
| <br>   | <br> <br> <br> -              | <br>                       |                     |                               |                             | i<br> <br> -<br> -<br> -<br> - |                           |                  |   |                      |
| 2) Collect time                                | 11.00 11.30                   | 30 12.00                   |                     |                               |                             |                                |                           |                  |   |                      |
| Collector                                      | GIRL WOMEN                    |                            |                     | -                             | ٠                           |                                |                           |                  |   |                      |
| Amount (Liter)                                 | 202(                          | 20 30                      | 0                   | 0                             | 0                           | 0                              | 0                         | 0                | 0                                       | 1 1 1 1              |
|  | £.                            |                            | PW                  | PM                            | Md                          | М                              | Md.                       | PM               | M.                                      |                      |
| 3) Collect time                                | 4. (                          | 4.00 5.30                  | 5.00                | 4.30                          | 5.00                        | 5.30                           | 5. 10                     | 5, 50            | 5.30                                    |                      |
| Collector                                      | WOMEN                         |                            | WOMEN               | BOY                           | WOMEN                       | GIRL                           | BOY                       | GIRL             | MEN                                     |                      |
| Amount (Liter)                                 | 1 20                          | 30                         | 20                  | 20                            | 20                          | 20                             | 20                        | 20               | 20                                      |                      |
|  |                               |                            |                     |                               |                             |                                | :                         |                  |   |                      |
| A) Colloct time                                | LC                            | 2 00                       |                     |                               |                             |                                |                           |                  |   |                      |
| follector                                      | WOMEN                         |                            |                     |                               |                             |                                |                           |                  |   |                      |
| Amount (Liter)                                 |                               | <br>                       | <br> <br> <br> <br> | <br> <br> <br> <br> <br> <br> | ;<br>]<br>]<br>]<br>[       | <br>                           | 1                         | 1 1 1            | 1 | }<br> <br> <br> <br> |
|  |                               |                            |                     |                               |                             |                                | ٠                         |                  | ٠                                       |                      |
| Collector                                      |                               |                            |                     |                               |                             |                                |                           |                  | . •                                     |                      |
| Amount (Liter)                                 | <br>                          | ;<br>;<br>;<br>;<br>;<br>; | <br> <br> <br> <br> | !<br>!<br>!<br>!              | ;<br> <br> <br> <br> <br>   | <br> <br> <br> <br> <br>       | 1                         | 1<br>1<br>1<br>1 | <br> <br> <br> <br> <br>                | 1 1 1                |
|  |                               |                            | <br>                |                               |                             |                                |                           |                  |   |                      |
| b) Collect time                                |                               |                            |                     |                               |                             |                                |                           |                  |   |                      |
| Collector<br>Amount (Liter)                    |                               |                            | <br>                | ]<br> <br> <br> <br>          | <br> <br>                   |                                | <br> <br> <br> <br>       | !<br>!<br>!<br>! | 1<br> <br> <br> <br> <br> <br>          | !<br>!<br>!<br>!     |
| AMOUNT (Liter/day)                             | 40 80                         | 08 0                       | 40                  | 40                            | 40                          | 40                             | 40                        | 40               | 40                                      |                      |
|  |                               |                            |                     |                               |                             |                                |                           |                  |   |                      |

Result of Water Collection Survey in Selected Each 10 Families (Sheet 3)

|  |   |                     |               |          |                   | ì "  |  |           |                             |                           |                |
|--|---|---------------------|---------------|----------|-------------------|--|--|-----------|-----------------------------|---------------------------|----------------|
| Village Name NONGPHAY Name of Source observed Mr. Kind of Water Source (HAND |   | CHA<br>PUMP [3      | 2],)          |          | T<br>S<br>Pumping | Times betwee<br>Survey Date<br>of Volume a | ween which of<br>the 27. Jun<br>and Time | bser'e.   | ved<br>1995.                |                           |                |
| Name of House  |   | TONGSY              | TABLEAY       | CHA      | CHIAN             | VISAI                                      | TATA                                     | POPAN     | MOC                         | TUPON                     | Remark's       |
| Transport To Company   |   |                     |               |          |                   |  |  |           |                             | :                         |                |
| 1) Collect time  | 6.00                                    | 5.30                | 5. 10         | 5.40     | 6.20              | 5.50                                       | 6. 10                                    | 5, 20     | 0.00                        | 00.00                     | * Pumping      |
| Collector  | GIRL                                    | GIRL                | GIRL          | GIRU     | WOMEN             | GIRL                                       | GIRL                                     | WOMEN     |                             |                           | Volume         |
| Amount (Liter)   | 30                                      | 30                  | 20            | 30       | 30                | 30   | 081                                      | 202       | <br>                        | <br>                      | _ (Liter/time) |
| !<br>!<br>!<br>!<br>!<br>!   |   | <br> <br> <br> <br> | <br>          |          | Md -              | PM   | M.                                       |           |                             |                           |                |
| 2) Collect time  |   | 8.00                |               | 11.00    | 2.00              | 3,00                                       | 1.00                                     | 11.20     | 0.00                        | 0.00                      | Md **          |
| Collector  |   | GIRL                |               | GIRL     | GIRL              | GIRL                                       | GIRL                                     | GIRL      |                             |                           | After          |
| Amount (Liter)   |   | 30                  |               | 30       | 30                | 30   | 30                                       | 20        | 1 1                         | : 1<br>- 1<br>- 1<br>- 1  | Nidday         |
|  | <br>                                    | i<br>Z              | - Wa          | M.<br>M. | Æ                 | PM   | PM                                       | Wd        |                             |                           |                |
| 3) Collect time  | 5.40                                    | 5. 45               | 5. 10         | 4.30     | 5.25              | 6.00                                       | 2.00                                     | 5, 20     | 0.00                        | 0.00                      |                |
| Collector  | GIRL                                    | GIRL                | GIRL          | GIRL     | GIRL              | GIRL                                       | GIRL                                     | GIRL      |                             |                           |                |
| Amount (Liter)   | 30                                      | 30                  | 20            | 30       | 30                | 30   | 86                                       | 20 1      | .  <br> <br> <br> <br> <br> | ;<br> <br> <br> <br> <br> | 1              |
|  | <br>                                    | !<br>               | <br>          | <br>     |                   | <br>  .<br>  .<br>  .                      | i  |           |                             |                           |                |
| 4) Collect time  | 0.00                                    | 0.00                | 00.00         | 0.00     | 0.00              | 0.00                                       | 00 0                                     | 00.00     | 0.00                        | 0.00                      |                |
| Collector  |   |                     |               |          |                   |  |  |           |                             | -                         |                |
| Amount (Liter)   | !<br>1<br>1<br>1<br>1                   | 1                   | 1 1 1 1 1 1 1 | 1        | 1                 | 1 1 1                                      | 1 1 1 1 1                                |           | 1 1 1 1 1 1                 | <br>                      |                |
|  |   |                     |               |          | :                 |  |  |           |                             |                           |                |
| 5) Collect time  |   |                     |               |          |                   |  |  |           |                             |                           |                |
| Collector  |   | •                   |               |          |                   |  |  | •         |                             |                           |                |
| Amount (Liter)   | 1 |                     | 1 1 1 1       | 1        | 1 1 1 1           | !<br>!<br>!                                | 1 1 1 1                                  | 1 1 1 1 1 | 1                           | 1 1 1                     |                |
| 6) Collect time  |   |                     |               |          |                   |  |  |           |                             |                           |                |
| Collector  |   |                     |               |          |                   |  |  | -         | -                           |                           |                |
| Amount (Liter)   | 1 | . !                 | 1 1 1         | 1        | 1                 | 1    | <br>                                     | 1 1       | 1 1 1                       | 1 1 1                     | 1 1 1 1 1      |
| AMOUNT (Liter/day)   | 60                                      | 90                  | 40            | 06       | 06                | 90   | 90                                       | . 09      | 0                           | 0                         |                |
|  |   |                     |               |          |                   |  |  |           |                             |                           |                |

Shoot 1

Result of Water Collection Survey in Selected Each 10 Families (Sheet 3)

| Village Name NONGPHAY<br>Name of Source observed<br>Kind of Water Source ( | ₽ ン   | Mr. TUPON<br>HAND PUMP [1 | · · · · · · · · · · · · · · · · · · · |       | Times betw<br>Survey Dat<br>Pumping Volume | Times betwee<br>Survey Date<br>Volume 2 | een which o<br>e 27. Jun<br>and Time | Times between which observed<br>Survey Date 27. June. 1995.<br>Volume and Time |                            |                       |  |
|--|-------|---------------------------|---------------------------------------|-------|--|---|--------------------------------------|--|----------------------------|-----------------------|--|
| Name of House  | MAYI  | TONGSY                    | TABILAY                               | CHA   | CHIAM                                      | VISAI                                   | ТАТА                                 | POPAN  | ром                        | TUPON                 | Remark's                                   |
| 1) Collect time<br>Collector<br>Amount (Liter)                             | 00.00 | 0.00                      | 0.00                                  | 0.00  | 0.00                                       | 0.00                                    | 0.00                                 | 0.00   | 7. 40<br>WOMEN<br>20       | 7.00<br>#OMEN         | * Pumping<br>Volume<br>( <u>Liter/time</u> |
| 2) Collect time<br>Collector<br>Amount (Liter)                             | 00.00 | 0.00                      | 0.00                                  | 00.00 | 0.00                                       | 0.00                                    | 0.00                                 | 0.00   | 8.00<br>WOMEN              | 10.00<br>WOMEN        | ** PM<br>After<br>Midday                   |
| 3) Collect time Collector Amount (Liter)                                   | 00.00 | 0.00                      | 00.00                                 | 0.00  | 0.00                                       | 00.00                                   | 0.00                                 | 00 00 1  | 5. 20<br>WOMEN             | 11.00<br>WOMEN        |  |
| 4) Collect time Collector  | 0.00  | 0.00                      | 00.00                                 | 0.00  | 0.00                                       | 00.00                                   | 0.00                                 | 0.00   | PM<br>5. 45<br>WOMEN<br>20 | 5.00<br>WOMEN         | <br>                                       |
| 5) Collect time<br>Collector   |       | 1                         | 1                                     | <br>  |  | <br>                                    |                                      |  | <br>                       | 1 1                   |  |
| 6) Collect time<br>Collector<br>Amount (Liter)                             |       |                           |                                       | <br>  | <br>                                       | <br>                                    | <br>                                 | 1<br>1<br>1<br>1   | <br>                       | !<br>!<br>!<br>!<br>! | 1 1 1                                      |
| AMOUNT (Liter/day)   | 0     | 0                         | 0                                     | 0     | . 0  | 0                                       | 0                                    | 0  | 80                         | 06                    |  |

(Sheet 3.1) Result of Water Collection Survey in Selected Each 10 Families

| Village Name NONGPHAY Name of Source observed Mr. TUPON Kind of Water Source (HAND PUMP [1], | Mr. TUPON<br>ND PUMP [1],)            |                        | Pumping                        | Times between which observed<br>Survey Date 28. June 1999<br>Pumping Volume and Time | en which<br>28.<br>and Tin | observed<br>June 1995.<br>me | 16             |               |                                 |
|--|---------------------------------------|------------------------|--------------------------------|--|----------------------------|------------------------------|----------------|---------------|---------------------------------|
| Name of House  | TONGSY TABILAY                        | ау сна                 | CHIAM                          | VISAI  | TATA                       | POPAN                        | NOC            | TUPON         | Remarks                         |
| 1) Collect time  |                                       |                        |                                |  |                            |                              | 7. 00<br>WOMEN | 7.30<br>WOMEN |                                 |
| Collector  | 1                                     | 1                      | 1                              |  | 1                          | 1                            |                | 20            | 1 1 1 1 1 1 1 1 1               |
|  |                                       |                        |                                |  |                            |                              | 00 6           |               |                                 |
| 2) Collect time  |                                       |                        | <b>.</b> .                     |  |                            |                              | WOMEN          |               |                                 |
| Amount (Liter)   | 1                                     | 1                      | ;<br> <br> <br> <br> <br> <br> | 1<br>1<br>1<br>1   | 1                          | 1 1 1                        | 20             | 0             | 1 1 1 1 1 1                     |
|  | <br>                                  | :<br>! .<br>! .<br>! - |                                |  |                            | -                            | PM             | PM            |                                 |
| 3) Collect time  |                                       |                        |                                |  |                            |                              | 5.00           | 4.40          |                                 |
| Collector  |                                       |                        |                                |  |                            |                              | WOMEN          | WOMEN         |                                 |
| Amount (Liter)   |                                       |                        | 1 1 1 1 1                      |  |                            |                              | 1 2 1          |               | 1 1 1 1 1 1 1 1 1               |
|  |                                       |                        |                                |  |                            |                              | 0.00           | 0.00          |                                 |
| 4) Collect time Collector  |                                       |                        |                                |  |                            |                              |                |               | ·.                              |
| Amount (Liter)   | 1 1 1 1 1                             | 1 1 1 1                | <br> <br> <br> <br> <br>       | 1  | 1 1 1                      | 1 1 1                        | 1 1 1 1        | 1 1 1 1 1 1   | 1 1 1 1 1 1 1 1 1 1 1 1         |
| b) Collect time  |                                       |                        |                                |  |                            |                              |                |               |                                 |
| Collector  |                                       |                        |                                | -  |                            | :                            | •              |               |                                 |
| Amount (Liter)   | !       !                             |                        |                                | 1 1 1 1 1 1 1  | 1                          | 1                            | <br>           | <br>          | •<br>1<br>1<br>1<br>1<br>1<br>1 |
| 6) Collect time  |                                       |                        |                                | -  |                            |                              |                |               |                                 |
| Collector  |                                       |                        |                                |  | :                          |                              |                | -             |                                 |
| Amount (Liter)   | 1   1   1   1   1   1   1   1   1   1 | 1 1 1 1 1 1            | 1 1 1 1                        | 1   1   1   1   1   1   1   1   1   1  |                            |                              | 9              | 40            |                                 |

Result of Water Collection Survey in Selected Each 10 Families (Sheet 3.1)

| Village Name NONGPHAY Name of Source observed | GPHAY<br>served Mr. CHA | ŗ           | <b></b>                   | Pumping | Times betw<br>Pumping Volume | ween which o<br>and Time | Times between which observed<br>Volume and Time | · · · · · · · · · · · · · · · · · · · |       |               |
|---|-------------------------|-------------|---------------------------|---------|------------------------------|--------------------------|---|---------------------------------------|-------|---------------|
| Kind of Water Source ( HAND PUMP [2]          | rrce ( HAND PUMP        | [2],)       |                           |         |                              |                          |   |                                       |       |               |
| Name of House                                 | MAYI . TONGSY           | TABILAY     | CHA                       | CHIAM   | VISAI                        | TATA                     | POPAN   | DOM                                   | TUPON | Remarks       |
|   |                         |             |                           |         |                              |                          |   |                                       | -     |               |
| 1) Collect time                               | 6.00 6.00               | 5.00        | 5.30                      | 6.00    | 5.50                         | 6.00                     | 5.30  |                                       |       |               |
| Collector                                     | WOMEN                   | MEN         | MEN                       | WOMEN   | WOMEN                        | MEN                      | WOMEN   |                                       |       | ٠             |
| Amount (Liter)                                | 30 30                   | 20          | 30                        | 30      | 30                           | 98                       | 20  | 0 -                                   | 0     | 1 1 1 1 1 1 1 |
|   |                         |             |                           |         |                              |                          |   |                                       | ٠.    |               |
| 2) Collect time                               | ;<br>                   | 9.00        |                           | 10.00   | 11.00                        | 9.30                     | 10.30   |                                       |       |               |
| Collector                                     |                         | GIRL        |                           | GIRL    | GIRL                         | WOMEN                    | GIRL  |                                       | :     |               |
| Amount (Liter)                                |                         | 30          | <br>                      | 30      | 30                           | 98                       | 20  | 0                                     | 0     |               |
|   | PM PM                   | PM          | 歪                         | P.      | PM                           | æ                        | Æ   |                                       |       |               |
| 3) Collect time                               | 6.40 5.45               |             | 4.30                      | 5. 10   | 6.30                         | 5.20                     | 5.30  |                                       |       |               |
| Collector                                     | GIRL GIRL               |             | WOMEN                     | GIRL    | WOMEN                        | WOMEN                    | CIRL  |                                       |       |               |
| Amount (Liter)                                | 30 30                   | 20          | 8                         | 30      | 30                           | 30                       | 20  | 0                                     | 0 -   |               |
|   | .<br> <br> -<br> -      | · .         |                           | -       |                              |                          | ٠   |                                       |       |               |
| 4) Collect time                               | 0.00 0.00               | 0.00        | 0.00                      | 0.00    | 0.00                         | 0.00                     | 0.00  | 0.00                                  | 0.00  | -             |
| Collector                                     |                         |             |                           |         |                              |                          |   | ٠.                                    |       |               |
| Amount (Liter)                                |                         | 1 1 1 1 1 1 | 1 1 1 1                   |         | 1                            | !                        | 1 1 1 1   | <br>                                  | 1 1 1 | 1 1 1 1       |
| 5) Collect time                               |                         |             |                           |         | 11                           |                          |   |                                       |       |               |
| Collector                                     |                         |             |                           |         |                              |                          |   |                                       |       |               |
| Amount (Liter)                                | 1 1 1 1 1 1             | 1 1 1       | 1                         | <br>    | 1 1                          | 1 1 1                    |   | 1                                     |       |               |
| 6) 0-11-0-4                                   |                         |             |                           |         |                              |                          |   |                                       |       |               |
| 6/ Collector                                  |                         |             |                           |         |                              |                          |   | ٠                                     |       |               |
| Amount (Liter)                                |                         |             | ]<br>]<br> <br> <br> <br> |         | 1                            | 1 1                      | ]<br> <br> <br> <br> <br>                       | 1                                     | <br>  | 1 1 1         |
| AMOUNT (Liter/day)                            | 09 09                   | 70          | 09                        | 90      | 06                           | 90                       | 09  | 0                                     | 0     |               |

Result of Water Collection Survey in Selected Each 10 Families (Sheet 3)

| Village Name THAT-NOY Name of Source observed Mr. Kind of Water Source (RIVER | THAT-NOY<br>served Mr. TONOY<br>cce ( RIVER ) |           |                  | T<br>S<br>Pumping | Times betwee<br>Survey Date<br>; Volume a | imes between which of<br>urvey Date 27. Ju<br>Volume and Time | bserv<br>ne. | ed<br>1995.    |                          |                                     |
|---|---|-----------|------------------|-------------------|---|---|--------------|----------------|--------------------------|-------------------------------------|
| Name of House   | SOY TENG                                      | BOUATHONG | HIN              | TAO CHO           | NANGNYON                                  | TAO HSUT  | Mrs. PENG    | TAO CHUM       | TABY                     | Remark's                            |
| <ol> <li>Collect time</li> <li>Collector</li> <li>Amount (Liter)</li> </ol>   | 0.00 0.00                                     | 0.00      | 0.00             | 0. 00             | 0.00                                      | 0.00  | 0.00         | 5. 30<br>WOMEN | 6. 20<br>GIRL<br>20      | Water use for<br>Rainwater          |
| 2) Collect time   | 0. 00 0. 00                                   | <br>      | 0.00             | 0.00              | 0.00                                      | 0 0   | 0.00         | 0.00           | 0.00                     |                                     |
| Amount (Liter).  3) Collect time Collector Amount (liter)                     | 0.00 0.00                                     | 00.0      | 00.0             | 00.00             | 00.00                                     | 0.00  | 00.00        | 6. 00<br>WOMEN | PM<br>6.00<br>GIRL<br>20 |                                     |
| 4) Collect time Collector   |   | <br>      | 1<br>            | <br>              | <br>                                      |   |              |                | §<br>1<br>1<br>1         | * Pumping<br>Volume<br>(Liter/time) |
| 5) Collector Collector  | 1   | <br>      | 1<br>1<br>1<br>1 | <br>              |   |   |              |                | !<br>!<br>!              | ** PN<br>After<br>                  |
| 6) Collect time Collector Amount (Liter)                                      |   |           |                  |                   |   |   |              |                | ;<br>                    | <br>                                |
| AMOUNT (Liter/day)  | 0 0   | 0         | 0                | 0                 | 0   | 0   | 0            | . 50           | 20                       |                                     |

Result of Water Collection Survey in Selected Each 10 Families (Sheet 3.1)

| Village Name THAT-NOY Name of Source observed Mr. Kind of Water Source (RIVER | THAT-NOY<br>bbserved Mr.<br>ource (RIVE | OY<br>Mr. TONOY<br>KIVER ) |           |       | Pumping               | Times between which observed<br>Survey Date 28. June 1995<br>Pumping Volume and Time | reen which se 28. Jand Tin | ch observed<br>June 1995.<br>ime |                            |                      |                                     |
|---|---|----------------------------|-----------|-------|-----------------------|--|----------------------------|----------------------------------|----------------------------|----------------------|-------------------------------------|
| Name of House   | SOY                                     | TENG                       | BOUATHONG | HIN   | TAO CHO               | NANGNYON   | TAO HSUT                   | Mrs. PENG                        | TAO CHUM                   | TABY                 | Remarks                             |
| 1) Collect time<br>Collector<br>Amount (Liter)                                | 0.00                                    | 0.00                       | 0.00      | 0.00  | 0.00                  | 0.00   | 0.00                       | 0.00                             | 5. 40<br>WOMEN<br>20       | 6.00<br>WOMEN<br>20  | Water use for<br>Rainwater          |
| 2) Collect time<br>Collector<br>Amount (Liter)                                | 0.00                                    | 0, 00                      | 0.00      | 0.00  | 0.00                  | 0.00   | 0.00                       | 0.00                             | 0.00                       | 00.00                |                                     |
| 3) Collect time Collector Amount (Liter)                                      | 00.00                                   | 0.00                       | 0.00      | 00.00 | 0.00                  | 00.0   | <br>  00 0<br>  1          | 00.0                             | 00 0                       | 0.00                 | <br>                                |
| 4) Collect time Collector Amount (Liter)                                      | <br>                                    | <br>                       |           | <br>  | ]<br> <br>            |  | !<br>!<br>!<br>!           | ;<br>}<br>!<br>!                 |                            | ;<br>;<br>;          | <br>                                |
| 5) Collect time Collector Amount (Liter)                                      |   | I<br>I<br>I<br>I           | <br>      |       | i<br>1<br>1<br>1<br>1 | <br>   | I<br>I<br>I<br>I<br>I      | !<br>!<br>!<br>!                 | 1<br>1<br>1<br>1<br>1<br>1 | ;<br>{<br>}<br>1     | <br>  1<br>  1<br>  1<br>  1<br>  1 |
| 6) Collect time<br>Collector<br>Amount (Liter)                                |   | <br>                       | <br>      | <br>  | ]<br>                 | 1  | <br>                       | <br>                             |                            | ;<br>1<br>!<br>1<br> | <br>                                |
| AMOUNT (Liter/day)  | 0                                       | 0                          | 0         | 0     | 0                     | 0  | 0                          | 0                                | 20                         | 20                   |                                     |

(Sheet 3) Result of Water Collection Survey in Selected Each 10 Families

Result of Water Collection Survey in Selected Each 10 Families (Sheet 3.1

|   |   |                     |                       | -     |                  |  | -                              |                     |                     |                  |   |
|---|---|---------------------|-----------------------|-------|------------------|--|--------------------------------|---------------------|---------------------|------------------|---|
| Village Name SENVANG-NO Name of Source observed TONBOI Kind of Water Source (RIVER) | SENVANG- NO<br>observed TONBOU<br>ource (RIVER) | BOU<br>)            |                       | Δ,    | T<br>S<br>umping | Times between which observed<br>Survey Date 28 June 1995.<br>Pumping Volume and Time | which ol<br>28. June<br>d Time | oserved<br>9 1995.  |                     |                  |   |
| Name of House   | SIEMUAN   | LEY                 | PIN                   | LAO   | LITE             | EAO KANUA.   | IÚA                            | LAY                 | TONGPAT             | BUASONG          | REMARKS                                 |
| 1) Collect time Collector   | 0.00  | 6.30<br>90MEN<br>20 | 0.00                  | 0.00  | 0.00             | 6.30 0.00 WOMEN 20   |                                | 0.00                | 6.00<br>WOMEN<br>20 |                  | Water use<br>for<br>Rainwater           |
| 2) Collect time Collector   | 00.00   | 0.00                | 00.00                 | 00.00 | 0.00             | 0.00   | 0.00                           | 0.00                | 0.00                | i<br>            | 5 t t 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 |
| 3) Collect time Collector   | 00.00   | 0.00                | 0.00                  | 00.0  | 00 0             | 0.00   | 000                            | 0.00                | 0.00                | 1<br>1<br>1<br>1 |   |
| 4) Collect time Collector   |   |                     | 1<br>1<br>1<br>1<br>1 |       | 1                | 1<br>1<br>1<br>1<br>1  | <br>                           | 1<br> <br>          | l.<br>5<br>1<br>1   | 1<br>1<br>1<br>1 | f<br>f<br>t<br>t<br>1<br>1              |
| 5) Collect time Collector   |   |                     |                       | <br>  |                  | 1<br>1<br>1<br>1<br>1  | <br>                           | :<br>!<br>!<br>!    |                     | ;<br>i<br>i<br>l |   |
| 6) Collect time   |   |                     | 1<br>1<br>1<br>1<br>1 | 1     | <br>             |  | <br>                           | <br> <br> <br> <br> | <br>                | i<br>            |   |
| Amount (Liter)<br>AMOUNT (Liter/day)  | 0   |                     | 0                     | 0     |                  | 20   | 0                              | 0                   | 20                  | 0                | 1                                       |

Result of Water Collection Survey in Selected Each 10 Families (Sheet 3)

| Village Name HOUAKHOUA<br>Name of Source observed Mr. OHM<br>Kind of Water Source (HAND PUMP [1] | CHOUA<br>srved Mr. | OHM<br>PUMP [1] | (*)                            |           | T<br>S.<br>Pumping                      | Times between w<br>Survey Date 27<br>Volume and | een whic<br>e 27. J<br>and Ti           | Times between which observed<br>Survey Date 27. June 1995.<br>Volume and Time |       |             |                       |
|--|--------------------|-----------------|--------------------------------|-----------|---|---|---|---|-------|-------------|-----------------------|
| Name of House  | SAGUAN             | SATITH          | POKASO                         | SOUR      | HACK                                    | NOU   | OHM                                     | KHAWHHEUM   | WAY   | SUAM        | Remark's              |
|  |                    |                 |                                |           |   |   | ·                                       |   |       |             |                       |
| 1) Collect time  | 6.20               | 0.00            | 6.40                           | 6.00      | 6. 20                                   | 5.20  | 6.20                                    | 00.00   | 6. 10 | 5. 20       | * Pumping             |
| Collector  | WOMAN              |                 | WOMAN                          | WOMAN     | WOMAN                                   | WOMAN   | WOMAN                                   | •   | WOMAN | WOMAN       | Volume                |
| Amount (Liter)   | 20                 | !<br>!<br>!     | 20                             | 20        | 20                                      | 20  | 20                                      | 1 1 1   | 20    |             | _ (Liter/time)        |
|  | W.d.               |                 | P.M.                           | Æ         | PM                                      | P.  | 쩗                                       |   | - BM  | PM          |                       |
| 2) Collect time  | 5.30               | 0.00            | 6.20                           | 5.40      | 6. 10                                   | 6.00  | 5.40                                    | 0.00  | 5.20  | 4.30        | Md **                 |
| Collector  | WOMAN              |                 | WOMAN                          | GIRL      | WOMAN                                   | GIRL  | WOMAN                                   |   | WOMAN | GIRL        | After                 |
| Amount (Liter)   | 20                 |                 | 20                             | 20        | 20                                      | 20  | 20                                      | <br>  | 20    | 20          | Midday                |
|  |                    |                 | ]<br> <br> -<br> -<br> -<br> - |           |   |   | -<br> .<br> -                           |   |       |             |                       |
| 3) Collect time  | 0.00               | 0.00            | 0.00                           | 0.00      | 00.00                                   | 0.00  | 0.00                                    | 0.00  | 0 00  | 0.00        |                       |
| Collector  |                    |                 | ·<br>·<br>·                    |           |   | -   |   |   |       |             |                       |
| Amount (Liter)   |                    |                 | <br>                           |           | ;<br>;<br>;<br>;                        | 1<br>1<br>1                                     | <br>                                    |   | 1 1   | 1 1 1 1 1 1 | ;<br>;<br>;<br>;<br>; |
|  |                    |                 |                                | <br>      |   |   |   |   |       |             |                       |
| 4) Collect time  |                    |                 |                                |           |   |   |   |   |       |             |                       |
| Collector  |                    | * .             |                                |           |   |   |   |   |       |             |                       |
| Amount (Liter)   |                    | 1               | 1 1                            | <br>      | 1   1   1   1   1   1   1   1   1   1   |   | !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! |   | 1 1   | 1 1 1       | 1 1 1 1 1 1           |
|  |                    |                 |                                |           |   |   |   |   |       |             |                       |
| 5) Collect time  |                    |                 | -                              |           |   |   | -                                       |   |       |             |                       |
| Collector  |                    |                 |                                |           |   |   |   |   |       |             | •                     |
| Amount (Liter)   | 1 1 1              |                 | 1 1 1 1                        | 1 1 1 1 1 | 1 | 1         |   | 1                                       | 1 1 1 | 1 1 1 1 1 1 | 1 1 1                 |
| (  |                    |                 |                                |           |   |   |   |   |       |             |                       |
| 6) Collect time  |                    |                 |                                |           |   |   |   |   |       |             |                       |
| Collector  |                    |                 |                                | ٠         |   |   |   |   |       |             |                       |
| Amount (Liter)   | 1 1 1              |                 | 1 1 1                          | 1 1 1     |   |   | 1 1 1 1                                 | 1 1 1 1 1 1   | 1 1 1 |             |                       |
| AMOUNT (Liter/day)   | 40                 | 0               | 40                             | 40        | 40                                      | 40  | 40                                      | 0   | 40    | 40          |                       |

Result of Water Collection Survey in Selected Each 10 Families (Sheet 3.1)

| Name of Source observed Mr. UHM Kind of Water Source (HAND PUMP [1] | Source ( many rown |                            |                  | Surday v                                | ) TOT MILE                              |       | מוות זיווום                             |           |   |   |
|---|--------------------|----------------------------|------------------|---|---|-------|---|-----------|---|---|
| Name of House   | SAGUAN. SATITH     | POKASO                     | SOUR             | HACK                                    | NOU                                     | OHM   | KHANHEUN                                | WAY       | SUAM                                    | Remarks                                 |
| AM  |                    |                            |                  |   |   |       |   |           |   |   |
| 1) Collect time   | 5.20               | 6.30                       | 5.40             | 6.35                                    | 5.00                                    | 6.00  |   | 6.30      | 5.30                                    |   |
| Collector   | WOMEN              | GIRL                       | GIRL             | MEN                                     | WOMEN                                   | GIRL  |   | GIRL      | WOMEN                                   |   |
| Amount (Liter)  | 20                 |                            | 20               | 20.7                                    |   | 20    | <br>                                    | 20        |   | 1 |
| M.  | PM                 | PM                         | PM               | PM                                      | Z                                       | PM    |   | PM        | 孟                                       |   |
| 2) Collect time   | 5.00               | 6.00                       | 5.30             | 6.30                                    | 6.00                                    | 5.30  | · .                                     | 5. 45     | 4.45                                    |   |
| Collector   | GIRL               | WOMEN                      | BOY              | WOMEN                                   | WOMEN                                   | WOMEN |   | WOMEN     | WOMEN                                   |   |
| Amount (Liter)  | 20                 | 20                         | 30               | 20                                      | 20                                      | 20    | 1 1 1 1 1 1                             | 20        | 20                                      |   |
|   |                    |                            | P.               |   |   |       |   |           |   |   |
| 3) Collect time   | 0.00               | 00.00                      | 7. 20            | 0.00                                    | 0.00                                    | 00.00 |   | 0.00      | 0.00                                    |   |
| Collector   |                    |                            | BOY              |   |   |       |   |           |   |   |
| Amount (Liter)  |                    | <br>                       | 20               | 1 1 1                                   | 1 | 1 1 1 | 1 1 1                                   | 1 1 1     | : |   |
|   |                    |                            |                  |   |   |       |   |           |   |   |
| 4) Collect time   |                    |                            |                  |   |   |       |   |           |   |   |
| Collector   |                    |                            |                  |   | **                                      |       |   |           | •                                       |   |
| Amount (Liter)  |                    | 1 1 1 1 1 1 1 1            |                  | 1 1 1 1 1                               | 1 |       | 1 1 1 1                                 | 1 1 1     |   | 1 1 1 1 1 1 1                           |
| 5) Collect time   |                    |                            |                  |   |   |       |   |           |   |   |
| Collector   |                    |                            |                  |   |   |       |   |           |   |   |
| Amount (Liter)  |                    | 1<br>1<br>1<br>1<br>1<br>1 | <br>  <br>  <br> | <br>                                    | !<br>!<br>!<br>!<br>!                   | 1     | 1                                       |           |   |   |
|   |                    |                            |                  |   |   | •     |   |           |   | ٠                                       |
| 6) Collect time   |                    |                            |                  |   |   |       | -                                       |           |   |   |
| Collector   |                    |                            |                  |   |   |       |   |           |   |   |
| Amount (Liter)  |                    | 1 1 1 1 1 1                | 1 1              | 1 | 1 1 1 1                                 | 1 1 1 | 1 | 1 1 1 1 1 | 1 1 1 1 1 1                             | 1 1 1                                   |
| AMOUNT (Liter/day)  | 40 0               | 40                         | - 02             | 40                                      | 40                                      | 40    | 0                                       | 40        | 40                                      |   |

Choot 1

Result of Water Collection Survey in Selected Each 10 Families (Sheet 3)

| Village Name NONGKHAMKHAO<br>Name of Source observed N<br>Kind of Water Source (WF | Village Name NONGKHAMKHAO<br>Name of Source observed Mr. BAUNTAV<br>Kind of Water Source ( WELL, POND,) | NTAVY<br>ND, )           |                     |           | T<br>S<br>Pumping                       | Times betwee Survey Date | ween which of<br>te 27. Jun<br>and Time | Times between which observed<br>Survey Date 27. June 1995.<br>y Volume and Time | வ்க                        | ·     |   |
|--|---|--------------------------|---------------------|-----------|---|--------------------------|---|---|----------------------------|-------|---|
| Name of House  | BAUNTAVY SAMAN  | 1                        | EAN K               | KHAMSEN   | DAO                                     | VANHY                    | BOUA                                    | POUN  | KHAN                       | VONG  | Remark's                                |
|  |   |                          |                     |           |   |                          |   |   |                            | . 1   | ž                                       |
| 1) Collect time  | 5.00 5.00   | 8                        |                     | 5.30      |   | 5.30                     | 6.00                                    | 5.10  | 6.00                       | 5.00  | * Pumping                               |
| Collector  | WOMAN   | AN                       |                     | WOMAN     |   | WOMAN                    | WOMAN                                   | WOMAN   | WOMAN                      | *CMAN | Yolume<br>Version                       |
| Amount (Liter)   | 2020  | 20                       | 1                   | 20        | 1 1                                     |                          | 20                                      |   | 07.                        |       |   |
| ;  |   | 00 01                    |                     |           |   |                          |   | 11.30   |                            |       | Md **                                   |
| 2) Collect time  |   | [0, 00                   |                     |           |   |                          |   | WOMAN   |                            |       | After                                   |
| Collector  | <b>2</b><br>  | <u> </u>                 |                     | • [.      |   |                          |   | 20  |                            |       | Widday_                                 |
| Amount (Liter)   | Md  | i I I Ma                 |                     |           | !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! | i Ed                     | .<br>  .<br>  .                         | 2.<br>  1.  | 1<br>1<br>1<br>1<br>1<br>1 |       |   |
| 3) Collect time  | 4   | . 00                     |                     | 4.30      |   | 2.00                     | 5.30                                    | 5.30  | 4.30                       | 4.30  |   |
| Collector  |   | ≥                        |                     | GIRL      |   | GIRL                     | GIRL                                    | WOMAN   | GIRL                       | GIRL  |   |
| Amount (Liter)   | 20  | 20                       | <br>                | 20        | ,<br> <br> -<br> -<br> -                | 20                       | 20                                      |   | 20                         |       | 1 1 1 1 1                               |
|  | <br>  | <br> <br> <br> <br> <br> |                     |           | -                                       |                          |   |   |                            |       |   |
| 4) Collect time  |   |                          |                     |           |   |                          | ٠                                       |   |                            |       |   |
| Collector  |   |                          |                     |           | ٠                                       |                          |   |   |                            |       |   |
| Amount (Liter)   | i<br>1<br>1<br>1<br>1<br>1<br>1   | <br> <br> <br> <br> <br> | i<br> <br>          | 1         | ;<br>;<br>;<br>;<br>;                   | <br>                     | 1 1 1 1 1                               | <br> <br> <br> <br> <br>  | :<br>                      | !<br> | 1 1 1 1 1 1 1                           |
| 5) Collect time  |   |                          |                     |           |   |                          |   |   | •                          |       |   |
| Collector  |   |                          |                     |           |   | -                        | •                                       |   |                            |       |   |
| Amount (Liter)   | <br>   <br>   <br>   <br>   <br>  | i<br>!<br>!<br>!<br>!    | 1                   | 1         | 1                                       | 1 1 1 1                  |   |   | 1   1   1   1              |       | 1 |
| <br>   |   |                          |                     | ٠         |   |                          |   |   |                            |       | -                                       |
| 6) Collect time  |   |                          |                     |           |   |                          |   |   | -                          |       |   |
| Collector Amount (liter)   |   |                          |                     |           | 1                                       | )<br> <br> <br> <br>     | i<br>I<br>I<br>I                        | 1<br>1<br>1<br>1  | }<br> <br>                 | 1     | 1 1 1                                   |
|  | !<br>!<br>!   | <br> -<br> -<br> -<br>   | <br> <br> <br> <br> | <br> <br> | <br> <br> <br> <br>                     | 1 07                     | 40                                      | 9   | 40                         | 40    |   |
| AMOUNT (Liter/day)   | 9   | 00                       | 0                   | 7.0       | >                                       | AI.                      | ^*                                      |   |                            |       |   |

Result of Water Collection Survey in Selected Each 10 Families (Sheet 3.1

| Village Name NONGKHAMKHAO  | NGKHAMKHA0                   |                               | -                        |                                       |             | Times between which observed    | veen which            | ı observe           |   |                                |                          |
|--|------------------------------|-------------------------------|--------------------------|---------------------------------------|-------------|---------------------------------|-----------------------|---------------------|---|--------------------------------|--------------------------|
| Name of Source observed Mr. BAUNTA<br>Kind of Water Source (WELL, POND,) | observed Mr.<br>ource (WELL, | Mr. BAUNTAVY<br>FELL, POND, ) |                          |                                       | Pumping     | Survey Date<br>Pumping Volume a | se 28. Ju<br>and Time | June. 19<br>me      | 1995.                                   |                                |                          |
| Name of House  | BAUNTAVÝ                     | SAMAN                         | PEAN                     | KHAWSEN                               | DAO         | VANHY                           | BOUA                  | POUN                | KHAN                                    | VONG                           | Remarks                  |
| 1) Collect time  | 7.00                         | 8.00                          |                          | 9, 00                                 |             | 6.00                            | 6.00                  | 6.30                | 8.30                                    | 7, 00                          |                          |
| Collector  | WOMEN                        | GIRL                          | * .                      | GIRL                                  |             | WOMEN                           | MEN                   | MEN                 | WOMEN                                   | GIRL                           |                          |
| Amount (Liter)   | 20                           | - 20                          | ;<br>1<br>1<br>1         | 20                                    |             | 20                              | 20                    | 20                  | 20                                      | 8                              |                          |
| 2) Collect time  |                              | 11.00                         |                          | 12.00                                 |             |                                 | -                     |                     |   | ÷                              |                          |
| Collector  |                              | WOMEN                         |                          | GIRL                                  |             |                                 |                       |                     |   |                                | ٠                        |
| Amount (Liter)   | 0                            | 20                            | 0                        | 20                                    | 0           | 0                               | 0                     | 0                   | 0                                       | 0                              |                          |
|  | PM                           | PM                            |                          | æ                                     |             | PM                              | Md                    | PM                  | - R                                     | P.W.                           | <br>                     |
| 3) Collect time  | 5.40                         | 5, 30                         |                          | 4.00                                  |             | 5. 10                           | 5. 20                 | 5.30                | 5, 30                                   | 5.00                           |                          |
| Collector  | WOMEN                        | GIRL                          |                          | GIRL                                  |             | WOMEN                           | MEN                   | MEN                 | MEN                                     | GIRL                           |                          |
| Amount (Liter)   | 30                           | 20                            | 1                        | 20 20                                 | 1 1 1 1 1   | 20                              | 20                    | 20                  | 20                                      | - 30                           | . 1                      |
| 4) Collect time  |                              |                               |                          |                                       |             |                                 |                       |                     |   |                                |                          |
| Collector  |                              |                               |                          |                                       |             |                                 |                       |                     |   |                                |                          |
| Amount (Liter)   |                              | <br> <br> <br> <br>           | 1                        | 1                                     | 1 1 1       | 1 1 1                           | 1                     | 1 1 1               | 1 | 1 1                            | <br>                     |
| f) Collart time  |                              |                               |                          |                                       |             |                                 |                       |                     |   |                                |                          |
| Collector  |                              |                               |                          | · · · · · · · · · · · · · · · · · · · |             |                                 |                       |                     |   |                                |                          |
| Amount (Liter)   |                              | <br> <br> <br> <br>           | <br> <br> <br> <br> <br> | i<br>i<br>i                           | !<br>!<br>! | <br>                            | <br>                  | i<br>i<br>i<br>i    | ]<br>                                   | <br>                           | <br> <br> <br> <br> <br> |
| E) Colloca 4:  |                              |                               |                          |                                       |             |                                 |                       |                     |   |                                |                          |
| Collector  |                              |                               |                          |                                       |             |                                 |                       |                     |   |                                | -                        |
| Amount (Liter)   |                              | !<br>!<br>!<br>!              | :<br>:<br>:<br>:         | 1                                     | 1 1 1       | 1                               | 1 1 1                 | <br> <br> <br> <br> | <br>                                    | <br> -<br> -<br> -<br> -<br> - | ;<br>;<br>;<br>;         |
| AMOUNT (Liter/day)   | 50                           | 60                            | 0                        | 09                                    | 0           | 40                              | 40                    | 40                  | 40                                      | 09                             |                          |

