

**Projects Specifications Matrix**

| Project Specifications                                            | Unit           | Dahana             | Chirogchi  | Alkhuch                  | Chorvodor | Kosataroshi<br>bolo | Kosataroshi<br>Poyon | Luchobi<br>poyon | Obizak   | Sayod     |
|-------------------------------------------------------------------|----------------|--------------------|------------|--------------------------|-----------|---------------------|----------------------|------------------|----------|-----------|
|                                                                   |                | <b>Rotary ONLY</b> |            | <b>Rotary &amp; CARE</b> |           |                     |                      |                  |          |           |
| 1                                                                 | 2              | 3                  | 4          | 5                        | 6         | 7                   | 8                    | 9                | 10       | 11        |
| Project Cost                                                      | USD            | \$ 51,227          | \$ 55,962  | \$ 10,500                | \$ 10,800 | \$ 10,900           | \$ 6,900             | \$ 6,900         | \$ 6,000 | \$ 10,000 |
| Benefeciaries                                                     | villagers      | 4,500              | 4,000      | 498                      | 228       | 488                 | 218                  | 751              | 161      | 350       |
|                                                                   | househ<br>olds | 300                | 270        | 52                       | 34        | 64                  | 31                   | 54               | 22       | 47        |
| Pump existing                                                     | yes/no         | Yes                | No         | No                       | No        | No                  | No                   | No               | No       | No        |
| Size of main pipe                                                 | in             | 4.3, 3.5, 2.5      | 2.50       | 1.30                     | 1.30      | 4.331, 3, 2         | 40.00                | 4.3, 3           | 1.26     | 3, 1.26   |
| Distance from source<br>to tanks, or number of<br>km of main pipe | ft             | 9,219.00           | 4,921.00   | 8,202.00                 | 11,810.00 | 4,921.00            | 3,937.00             | 2,200.00         | 7,218.00 | 10,500.00 |
| number of ft of<br>distribution pipes (from<br>tanks to taps)     | ft             | 17,060.00          | 10,730.00  | 8,202.00                 | 1,640.00  | 1,640.00            | 3,937.00             | 1,640.00         | 656.20   | 656.20    |
| number of tanks                                                   | unit           | 5                  | 2          | 1                        | 1         | 1                   | 1                    | 1                | 1        | 1         |
| size of tanks                                                     | gal            | 25.00              | 6,604.00   | 6,604.00                 | 6,604.00  | 6,604.00            | 6,604.00             | 6,604.00         | 6,604.00 | 6,604.00  |
| Number of distribution<br>points (taps)                           | unit           | 19                 | 6          | 3                        | 3         | 3                   | 3                    | 3                | 3        | 2         |
| number of households<br>per distribution<br>point(tap)            |                | 16                 | 45         | 17                       | 11        | 21                  | 10                   | 18               | 7        | 24        |
| Tee                                                               | unit           | 19                 | 5          | -                        | -         | -                   | -                    | -                | -        | -         |
| Knee                                                              | unit           | 20                 | 12         | -                        | -         | -                   | -                    | -                | -        | -         |
| coupler                                                           | unit           | 18                 | 124        | -                        | -         | -                   | -                    | -                | -        | -         |
| sand                                                              | lb             | 87,570.00          | 409,800.00 | 6,173.00                 | 3,307.00  | 22,050.00           | 3,968.00             | 22,050.00        | 132.30   | 132.30    |
| metalic rope                                                      | ft             | -                  | 350.00     | 100.00                   | 344.00    | -                   | 300.00               | 400.00           | -        | 200.00    |
| channel                                                           | ft             | -                  | -          | 4.00                     | 4.00      | -                   | 6.00                 | 20.00            | -        | 8.00      |
| armature                                                          | lb             | 1,036.00           | 418.90     | 110.20                   | 88.18     | 22,050.00           | 88.18                | 220.50           | 110.20   | 110.20    |
| cement                                                            | lb             | 27,010.00          | 10,270.00  | 1,543.00                 | 1,102.00  | 471.80              | 1,102.00             | 3,086.00         | 66.14    | 44.09     |
| Timbers 20 (unedged)                                              | ft3            | 42.38              | 24.72      | 10.59                    | 17.66     | 35.31               | 17.66                | 17.66            | 10.59    | 10.59     |
| Nails100                                                          | lb             | 8.82               | 6.61       | 6.61                     | 6.61      | 6.61                | 6.61                 | 6.61             | 6.61     | 6.61      |
| Corner angle                                                      | ft             | -                  | -          | 8.00                     | 8.00      | 16.00               | 8.00                 | 8.00             | 8.00     | 8.00      |
| Black plate                                                       | m2             | -                  | -          | 2.00                     | 2.00      | 2.00                | 8.00                 | 6.00             | 2.00     | 2.00      |
| Vales, Gate valve<br>&Funnel (adapter)                            | unit           | 56                 | 28         | 2                        | 3         | 3                   | 4                    | 2                | 2        | 2         |
| Electrod 4                                                        | box            | 1.00               | 1.00       | -                        | 1.00      | -                   | 2.00                 | -                | -        | -         |
| Solar Oil                                                         | lb             | 1,543.00           | 2,646.00   | -                        | -         | 6,614.00            | -                    | -                | -        | -         |
| wire 6                                                            | lb             | -                  | -          | -                        | -         | 220.50              | 22.05                | 110.20           | -        | -         |

On the bases of project design documents