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|  | **LOT 1(Surface Pump)** | **LOT 2 (Borehole)** |
| Location (Lat., Long.) | 40N, 420E | 90N, 410E |
| Daily Water Demand (m3) | 640 | 45 |
| Ground water temperature (°C) | 25 | 25 |
| Cable Length (m) | 20 | 50 |
| Borehole Yield (m3/hr) | N/A | 5.4 |
| Depth of Borehole (m) | N/A | 150 |
| Size of Casing (inches) | N/A | 8 |
| Static Water Level (m) | N/A | Not available |
| Dynamic Water Level (m) | N/A | Not available |
| Tank Height (m) | 9 | 4 |
| Ground Elevation (m) | 260 | N/A |
| Trans. Pipeline length to Tank (m) | 2000 | 700 |
| Pipeline material | HDPE | HDPE |
| Pipeline diameter (mm) | 200 | 80 |
| Suction Head(m) | 3 | N/A |
| Suction pipe length (m) | 8 | N/A |
| Suction pipe diameter | 130 | N/A |
| Total Dynamic Head (m) | N/A | 130 |
| Pressure head (m) | 20 | N/A |
| Dirt Allowance | 5% | 5% |
| Max allowable cable losses | 4% | 4% |
| Existing Generator size (kVA) |  | 45 |
| Existing Tank Capacity (m3) |  | 25 |
| Existing submersible pump (kw) |  | 5.5 |
| Existing Surface pump (Kw | 22 | N/A |
| Pump position (m) |  | 102 |
| Pipe diameter (“) |  | 2.5 |
| Pipe material |  | GI |