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ANNEX - 1

Hourly load calculation for off- season

Hourly Load Calculations for off season

| | | | Hour of the Day | | | | | | | | | | | | | | | | | | | | | | | | Hours/day | Wh/day |
|---|-----------------------|------------------------|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|----------------------------|------------------|
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | |
| Pre School | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Number of Schools | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| User Controlled Loads | Rated Power(W) | Number of Units | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LED bulb | 15 | 5 | | | | | | 0.50 | 1.00 | 0.50 | | | | | | | | | | | | | | | | | 2 | 150.0 |
| Fan | 40 | 3 | | | | | | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | | | | | | | | | 8 | 960.0 |
| Computer | 120 | 1 | | | | | | | 0.50 | 0.50 | 0.50 | 0.50 | 5.00 | 0.50 | 0.50 | 0.50 | | | | | | | | | | | 8.5 | 1020.0 |
| Table fan | 25 | 2 | | | | | | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | | | | | | | | 8 | 400.0 |
| Communications | 5 | 1 | | | | | | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 15 | 75.0 |
| Medical centre | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Number of MOH/Medical centre building | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| User Controlled Loads | Rated Power(W) | Number of Units | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fluorescent bulb | 40 | 2 | 0.25 | 0.25 | 0.25 | 0.50 | 0.50 | 1.00 | 1.00 | 0.25 | | | | | | | | | | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 7.5 | 600.0 |
| LED bulb | 15 | 4 | 0.25 | 0.25 | 0.25 | 0.25 | 0.50 | 0.50 | 0.25 | | 0.25 | 0.25 | | | | | | | | 0.25 | 0.50 | 0.50 | 0.50 | 0.25 | 0.25 | 0.25 | 5.25 | 315.0 |
| Fan | 40 | 2 | | | | | | | | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | | | | 7 | 560.0 | |
| Radio | 15 | 1 | | | | | | 0.50 | 0.50 | 0.50 | | | | | | | | | | 0.50 | 0.50 | 0.50 | 0.50 | | | 3.5 | 52.5 | |
| Table fn | 25 | 2 | | | | | | | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | | | | | | | 5.5 | 275.0 | |
| TV | 100 | 1 | | | | | | 1.00 | 1.00 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | 13.5 | 1350.0 | |
| Communications | 5 | 1 | | | | | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | | | | 12 | 60.0 | |
| Air conditioning | 1500 | 1 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 24 | 36000.0 | |
| Refrigerator | 120 | 1 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 12 | 1440.0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | Daily Load (Wh/day) | 40652.5 |
| Churches | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Number of Churches | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| User Controlled Loads | Rated Power(W) | Number of Units | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fluorescent bulb | 40 | 2 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.50 | 0.25 | | | | | | | | | 0.50 | 1.00 | 0.50 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 5.5 | 1320.0 | |
| LED bulb | 20 | 5 | | | | | 0.25 | 0.50 | 0.25 | | | | | | | | | | 1.00 | 1.00 | 0.50 | 0.25 | 0.25 | | | 4 | 1200.0 | |
| Fan | 100 | 1 | | | | | | 1.00 | 1.00 | 1.00 | | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | 13 | 3900.0 | | |
| Communications | 5 | 1 | | | | | | 1.00 | 1.00 | 1.00 | | | | | | | | | 1.00 | 1.00 | 1.00 | | | | 6 | 90.0 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | Daily Load (Wh/day) | 6510.0 |
| Street lighting & Deferrable loads | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| User Controlled Loads | Rated Power(W) | Number of Units | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Street lights (CFL bulb) | 15 | 50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.50 | | | | | | | | | | | | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12 | 9000.0 |
| Ice plants | 187500 | 1 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.50 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 21.5 | 4031250.0 |
| Water desalination plant | 6000 | 1 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.50 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.50 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 21 | 126000.0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | Daily Load (Wh/day) | 4166250.0 |
| House Type 1 (Medium) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Number of houses in the community | | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| User Controlled Loads | Rated Power | Number of Units | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fluorescent bulb | 40 | 2 | | | | | | 0.5 | 0.25 | | | | | | | | | | | 0.5 | 1 | 1 | 0.5 | 0.1 | 0.1 | 3.95 | 31600.0 | |
| LED bulb | 10 | 4 | | | | 0.2 | 0.25 | 0.5 | 0.2 | | | | | | | | | | | 0.5 | 1 | 1 | 0.75 | 0.25 | 0.1 | 0.1 | 4.85 | 19400.0 |
| Fan | 40 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | | | | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | | | 1 | 1 | 1 | 0.5 | 0.5 | 10.5 | 42000.0 | |
| Table fan | 25 | 2 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | | | | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 10 | 50000.0 | |
| TV | 70 | 1 | | | | | | 0.5 | 0.5 | | | | | | | | | | | | 1 | 1 | 0.5 | | | 3.5 | 24500.0 | |
| Radio | 15 | 1 | | | | | 0.25 | 0.75 | 0.75 | 0.75 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.5 | 0.75 | 0.75 | 0.75 | 0.5 | 0.25 | 0.1 | 8.35 | 12525.0 | |
| Water heater | 1000 | 1 | | | | | 0.1 | 0.1 | 0.05 | | | | | | | | | 0.1 | 0.1 | | | | | | | 0.45 | 45000.0 | |
| Iron | 1000 | 1 | | | | | | 0.1 | 0.1 | | | | | | | | | | | 0.1 | 0.1 | | | | | 0.4 | 40000.0 | |
| Refrigerator | 120 | 1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.2 | 0.2 | 9.6 | 115200.0 | |
| Communication | 5 | 2 | | | | | | 0.5 | 0.5 | | | | | | | | | | | | | 0.5 | 0.5 | | | 2 | 2000.0 | |
| Washing machine | 300 | 1 | | | | | | | | | | 0.50 | 0.50 | | | | | | | | | | | | | 1 | 30000.0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | Daily Load (Wh/day) | 412225.0 |

| House Type 2 (Small) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------------|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|-----------------|---------|----------|----------|
| Number of homes in the community | | 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| User Controlled Loads | Rated Power | Number of Units | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fluorescent bulb | 40 | 1 | | | | | | 0.5 | 0.25 | | | | | | | | | | | 0.5 | 0.8 | 0.8 | 0.2 | 0.1 | | | 3.15 | 25200.0 | | |
| LED bulb | 10 | 3 | | | | 0.5 | 0.5 | 0.5 | | | | | | | | | | | | 0.5 | 0.8 | 0.8 | 0.75 | 0.2 | 0.1 | 0.1 | 4.75 | 28500.0 | | |
| Fan | 40 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | | | | | 0.2 | 0.2 | 0.2 | 0.25 | 0.25 | 0.25 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 8.35 | 66800.0 | |
| Table fan | 25 | 1 | | | | | | | | | | | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 3 | 15000.0 | | |
| TV | 70 | 1 | | | | | | 0.2 | 0.25 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.25 | 0.5 | 0.75 | 0.5 | 0.25 | 0.1 | 0.1 | 3.9 | 54600.0 | |
| Radio | 15 | 1 | | | | | | 0.25 | 0.75 | 0.75 | 0.75 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.5 | 0.2 | | | | | | 5.45 | 16350.0 | |
| Water heater | 1000 | 1 | | | | | | 0.1 | 0.1 | 0.05 | | | | | | | | | 0.1 | 0.1 | | | | | | | | 0.45 | 90000.0 | |
| Iron | 1000 | 1 | | | | | | | 0.1 | 0.1 | | | | | | | | | | | 0.1 | 0.1 | | | | | | | 0.4 | 80000.0 |
| Communication | 5 | 2 | | | | | | 0.5 | 0.5 | | | | | | | | | | | | | | 0.5 | 0.5 | | | | | 2 | 4000.0 |
| Refrigerator | 120 | 1 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 12 | 288000.0 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | Daily Load (Wh/day) | 668450.0 | | | |
| House Type 3 (Temporary huts) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Number of homes in the community | | 260 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| User Controlled Loads | Rated Power | Number of Units | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LED bulb | 10 | 3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.5 | 0.5 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.75 | 1 | 1 | 0.5 | 0.25 | 0.2 | 0.2 | 6.8 | 53040.0 | |
| Table fan | 25 | 1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | | | | | | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.4 | 0.3 | 0.2 | 0.2 | 4.7 | 30550.0 | |
| TV | 70 | 0 | | | | | | 0.2 | 0.25 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.25 | 0.5 | 0.75 | 0.5 | 0.25 | 0.1 | 0.1 | 3.9 | 0.0 | |
| Radio | 15 | 1 | | | | | | 0.25 | 0.75 | 0.75 | 0.75 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.5 | 0.75 | 0.75 | 0.75 | 0.5 | 0.25 | 0.1 | 8.35 | 32565.0 | |
| Communication | 5 | 1 | | | | | | 0.5 | 0.5 | | | | | | | | | | | | | | 0.5 | 0.5 | | | | | 2 | 2600.0 |
| Water heater | 1000 | 1 | | | | | | 0.1 | 0.1 | 0.05 | | | | | | | | | 0.1 | 0.1 | | | | | | | | 0.45 | 117000.0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | Daily Load (Wh/day) | 235755.0 | | | |
| Police post | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Number of police posts | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| User Controlled Loads | Rated Power | Number of Units | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fluorescent bulb | 40 | 4 | 0.25 | 0.25 | 0.25 | 0.5 | 1 | 0.25 | | | | | | | | | | | | | 1 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 7 | 1120.0 | |
| LED bulb | 15 | 8 | 0.25 | 0.25 | 0.25 | 0.25 | 0.75 | 0.75 | | | | | | | | | | | | | 0.5 | 0.75 | 0.75 | 0.5 | 0.25 | 0.2 | 0.2 | 5.65 | 678.0 | |
| Fan | 40 | 4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 12 | 1920.0 |
| Table fan | 25 | 4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 12 | 1200.0 |
| TV | 70 | 2 | | | | | | 0.5 | 1 | 1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.25 | 0.75 | 1 | 1 | 1 | 0.5 | | 7.9 | 1106.0 | |
| Radio | 15 | 2 | | | | | | 0.5 | 0.75 | 1 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.1 | 0.1 | 0.1 | 0.1 | | 4.95 | 148.5 | |
| Water heater | 1000 | 1 | | | | | | 0.25 | 0.25 | 0.25 | | | | | | | | | 0.25 | | | | | | | 0.25 | | 1.5 | 1500.0 | |
| Iron | 1000 | 2 | | | | | | 0.25 | 0.25 | 0.25 | | | | | | | | | | | 0.25 | 0.25 | | | | | | | 1.25 | 2500.0 |
| Communication | 5 | 4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 12 | 240.0 |
| Refrigerator | 120 | 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 | 24 | 2880.0 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | Daily Load (Wh/day) | 13292.0 | | | |
| Naval Detachment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Number of police posts | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| User Controlled Loads | Rated Power | Number of Units | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fluorescent bulb | 40 | 4 | 0.1 | 0.1 | 0.1 | 0.2 | 0.25 | 0.5 | | | | | | | | | | | | | 0.25 | 0.75 | 0.75 | 0.25 | 0.1 | 0.1 | 0.1 | 3.55 | 568.0 | |
| LED bulb | 10 | 8 | 0.25 | 0.25 | 0.25 | 0.25 | 0.75 | 0.25 | | | | | | | | | | | | | 0.5 | 0.5 | 0.5 | 0.25 | 0.1 | 0.1 | 0.1 | 4.05 | 324.0 | |
| Fan | 40 | 4 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 13.75 | 2200.0 |
| Table fan | 25 | 4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 12 | 1200.0 |
| TV | 70 | 2 | | | | | | 0.5 | 1 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1 | 1 | 1 | 1 | 0.5 | | 12 | 1680.0 | |
| Radio | 15 | 2 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1 | 1 | 1 | 1 | 0.5 | 0.5 | 15 | 450.0 | |
| Water heater | 1000 | 1 | | | | | | 0.25 | 0.25 | 0.25 | | | | | | | | | 0.25 | | | | | | | 0.25 | | 1.5 | 1500.0 | |
| Iron | 1000 | 2 | | | | | | 0.25 | 0.25 | 0.25 | | | | | | | | | | | 0.25 | 0.25 | | | | | | | 1.25 | 2500.0 |
| Communication | 5 | 4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 12 | 240.0 |
| Refrigerator | 120 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 16 | 1920.0 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | Daily Load (Wh/day) | 12582.0 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | Total Daily Village Load (kWh/day) | 5558.3 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | Total Monthly Village Load (kWh) | 166750 | | | |

ANNEX - 3

Summary of hourly load for off-season

SUMMARY OF HOURLY LOAD - OFF SEASON

| Time | Total Load (kWh) |
|------------------|-------------------------|
| 0001-0100 | 224 |
| 0100-0200 | 222 |
| 0200-0300 | 222 |
| 0300-0400 | 227 |
| 0400-0500 | 289 |
| 0500-0600 | 237 |
| 0600-0700 | 198 |
| 0700-0800 | 219 |
| 0800-0900 | 218 |
| 0900-1000 | 242 |
| 1000-1100 | 242 |
| 1100-1200 | 227 |
| 1200-1300 | 228 |
| 1300-1400 | 228 |
| 1400-1500 | 239 |
| 1500-1600 | 285 |
| 1600-1700 | 284 |
| 1700-1800 | 185 |
| 1800-1900 | 212 |
| 1900-2000 | 187 |
| 2000-2100 | 263 |
| 2100-2200 | 235 |
| 2200-2300 | 228 |
| 2300-2359 | 226 |

ANNEX - 2

Hourly load calculation for on22- season

HOURLY LOAD CALCULATIONS - ON SEASON

| | | | Hour of the Day | | | | | | | | | | | | | | | | | | | | | | | | Hours/day | Wh/day |
|---|-----------------------|------------------------|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|------------------|-----------|
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | |
| Pre School | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Number of Schools | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| User Controlled Loads | Rated Power(W) | Number of Units | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LED bulb | 15 | 5 | | | | | | 0.50 | 1.00 | 0.50 | | | | | | | | | | | | | | | | | 2 | 150.0 |
| Fan | 40 | 3 | | | | | | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | | | | | | | | 8 | 960.0 |
| Computer | 120 | 1 | | | | | | | 0.50 | 0.50 | 0.50 | 0.50 | 5.00 | 0.50 | 0.50 | 0.50 | | | | | | | | | | | 8.5 | 1020.0 |
| Table fan | 25 | 2 | | | | | | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | | | | | | | | 8 | 400.0 |
| Communications | 5 | 1 | | | | | | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 15 | 75.0 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | Daily Load (Wh/day) | 2605.0 | |
| Medical centre | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Number of Medical centre buildings | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| User Controlled Loads | Rated Power(W) | Number of Units | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fluorescent bulb | 40 | 2 | 0.25 | 0.25 | 0.25 | 0.50 | 0.50 | 1.00 | 1.00 | 0.25 | | | | | | | | | | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 7.5 | 600.0 |
| LED bulb | 15 | 4 | 0.25 | 0.25 | 0.25 | 0.25 | 0.50 | 0.50 | 0.25 | | 0.25 | 0.25 | | | | | | | | 0.25 | 0.50 | 0.50 | 0.50 | 0.25 | 0.25 | 0.25 | 5.25 | 315.0 |
| Fan | 40 | 2 | | | | | | | | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 7 | 560.0 |
| Radio | 15 | 1 | | | | | | 0.50 | 0.50 | 0.50 | | | | | | | | | | 0.50 | 0.50 | 0.50 | 0.50 | | | 3.5 | 52.5 | |
| Table fn | 25 | 2 | | | | | | | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | | | | | | | | 5.5 | 275.0 |
| TV | 100 | 1 | | | | | | 1.00 | 1.00 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 13.5 | 1350.0 | |
| Communications | 5 | 1 | | | | | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | | | | | 12 | 60.0 |
| Air conditioning | 1500 | 1 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 24 | 36000.0 |
| Refrigerator | 120 | 1 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 12 | 1440.0 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | Daily Load (Wh/day) | 40652.5 | |
| Churches | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Number of Churches | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| User Controlled Loads | Rated Power(W) | Number of Units | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fluorescent bulb | 40 | 2 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.50 | 0.25 | | | | | | | | | 0.50 | 1.00 | 0.50 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 5.5 | 1320.0 |
| LED bulb | 20 | 5 | | | | | 0.25 | 0.50 | 0.25 | | | | | | | | | 1.00 | 1.00 | 0.50 | 0.25 | 0.25 | | | | 4 | 1200.0 | |
| Fan | 100 | 1 | | | | | | 1.00 | 1.00 | 1.00 | | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 13 | 3900.0 | |
| Communications | 5 | 1 | | | | | | 1.00 | 1.00 | 1.00 | | | | | | | | 1.00 | 1.00 | 1.00 | | | | | | 6 | 90.0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | Daily Load (Wh/day) | 6510.0 | |
| Street lighting & Deferrable loads | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| User Controlled Loads | Rated Power(W) | Number of Units | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Street lights (CFL bulb) | 15 | 50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.50 | | | | | | | | | | | | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12 | 9000.0 |
| Ice plants | 187500 | 1 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 22 | 4125000.0 |
| Water desalination plant | 6000 | 1 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.50 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.50 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 21 | 126000.0 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | Daily Load (Wh/day) | 4260000.0 | |
| House Type 1 (Medium) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Number of houses in the community | | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| User Controlled Loads | Rated Power | Number of Units | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fluorescent bulb | 40 | 2 | | | | | | 0.5 | 0.25 | | | | | | | | | | | 0.5 | 1 | 1 | 0.5 | 0.1 | 0.1 | 3.95 | 31600.0 | |
| LED bulb | 10 | 4 | | | | 0.2 | 0.25 | 0.5 | 0.2 | | | | | | | | | | | 0.5 | 1 | 1 | 0.75 | 0.25 | 0.1 | 0.1 | 4.85 | 19400.0 |
| Fan | 40 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | | | | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | 1 | 1 | 1 | 0.5 | 0.5 | 0.5 | 10.5 | 42000.0 |
| Table fan | 25 | 2 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | | | | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 10 | 50000.0 |
| TV | 70 | 1 | | | | | | 0.5 | 0.5 | | | | | | | | | | | | 1 | 1 | 0.5 | | | 3.5 | 24500.0 | |
| Radio | 15 | 1 | | | | | 0.25 | 0.75 | 0.75 | 0.75 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.5 | 0.75 | 0.75 | 0.75 | 0.5 | 0.25 | 0.1 | 8.35 | 12525.0 |
| Water heater | 1000 | 1 | | | | | 0.1 | 0.1 | 0.05 | | | | | | | | | 0.1 | 0.1 | | | | | | | 0.45 | 45000.0 | |
| Iron | 1000 | 1 | | | | | | 0.1 | 0.1 | | | | | | | | | | 0.1 | 0.1 | | | | | | 0.4 | 40000.0 | |
| Refrigerator | 120 | 1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.2 | 0.2 | 9.6 | 115200.0 |
| Communication | 5 | 2 | | | | | | 0.5 | 0.5 | | | | | | | | | | | | | 0.5 | 0.5 | | | 2 | 2000.0 | |
| Washing machine | 300 | 1 | | | | | | | | | | 0.50 | 0.50 | | | | | | | | | | | | | 1 | 30000.0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | Daily Load (Wh/day) | 412225.0 | |

| House Type 2 (Small) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|-----------------|----------|---------|----------|
| Number of houses in the community | | 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| User Controlled Loads | Rated Power | Number of Units | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fluorescent bulb | 40 | 1 | | | | | | 0.5 | 0.25 | | | | | | | | | | | 0.5 | 0.8 | 0.8 | 0.2 | 0.1 | | | 3.15 | 25200.0 | | |
| LED bulb | 10 | 3 | | | | 0.5 | 0.5 | 0.5 | | | | | | | | | | | | 0.5 | 0.8 | 0.8 | 0.75 | 0.2 | 0.1 | 0.1 | 4.75 | 28500.0 | | |
| Fan | 40 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | | | | | 0.2 | 0.2 | 0.2 | 0.25 | 0.25 | 0.25 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 8.35 | 66800.0 | | |
| Table fan | 25 | 1 | | | | | | | | | | | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 3 | 15000.0 | | |
| TV | 70 | 1 | | | | | | 0.2 | 0.25 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.25 | 0.5 | 0.75 | 0.5 | 0.25 | 0.1 | 0.1 | 3.9 | 54600.0 | |
| Radio | 15 | 1 | | | | | 0.25 | 0.75 | 0.75 | 0.75 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.5 | 0.2 | | | | | | 5.45 | 16350.0 | | |
| Water heater | 1000 | 1 | | | | | 0.1 | 0.1 | 0.05 | | | | | | | | | | 0.1 | 0.1 | | | | | | | 0.45 | 90000.0 | | |
| Iron | 1000 | 1 | | | | | | 0.1 | 0.1 | | | | | | | | | | | | 0.1 | 0.1 | | | | | 0.4 | 80000.0 | | |
| Communication | 5 | 2 | | | | | | 0.5 | 0.5 | | | | | | | | | | | | | | 0.5 | 0.5 | | | 2 | 4000.0 | | |
| Refrigerator | 120 | 1 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 12 | 288000.0 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | Daily Load (Wh/day) | 668450.0 | | | |
| House Type 3 (Temporary huts) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Number of houses in the community | | 460 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| User Controlled Loads | Rated Power | Number of Units | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LED bulb | 10 | 3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.5 | 0.5 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.75 | 1 | 1 | 0.5 | 0.25 | 0.2 | 0.2 | 6.8 | 93840.0 | |
| Table fan | 25 | 1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | | | | | | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.4 | 0.3 | 0.2 | 0.2 | 4.7 | 54050.0 | | |
| TV | 70 | 0 | | | | | | 0.2 | 0.25 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.25 | 0.5 | 0.75 | 0.5 | 0.25 | 0.1 | 0.1 | 3.9 | 0.0 | |
| Radio | 15 | 1 | | | | | 0.25 | 0.75 | 0.75 | 0.75 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.5 | 0.75 | 0.75 | 0.75 | 0.5 | 0.25 | 0.1 | 8.35 | 57615.0 | | |
| Communication | 5 | 1 | | | | | | 0.5 | 0.5 | | | | | | | | | | | | | | 0.5 | 0.5 | | | 2 | 4600.0 | | |
| Water heater | 1000 | 1 | | | | | 0.1 | 0.1 | 0.05 | | | | | | | | | | 0.1 | 0.1 | | | | | | | 0.45 | 207000.0 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | Daily Load (Wh/day) | 417105.0 | | | |
| Police post | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Number of police posts | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| User Controlled Loads | Rated Power | Number of Units | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fluorescent bulb | 40 | 4 | 0.25 | 0.25 | 0.25 | 0.5 | 1 | 0.25 | | | | | | | | | | | | | 1 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 7 | 1120.0 | |
| LED bulb | 10 | 8 | 0.25 | 0.25 | 0.25 | 0.25 | 0.75 | 0.75 | | | | | | | | | | | | | 0.5 | 0.75 | 0.75 | 0.5 | 0.25 | 0.2 | 0.2 | 5.65 | 452.0 | |
| Fan | 40 | 4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 12 | 1920.0 | |
| Table fan | 25 | 4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 12 | 1200.0 | |
| TV | 70 | 2 | | | | | 0.5 | 1 | 1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.25 | 0.75 | 1 | 1 | 1 | 0.5 | | 7.9 | 1106.0 | | |
| Radio | 15 | 2 | | | | | 0.5 | 0.75 | 1 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.1 | 0.1 | 0.1 | 0.25 | 0.25 | 0.25 | 0.1 | 0.1 | 0.1 | 0.1 | | 4.95 | 148.5 | | |
| Water heater | 1000 | 1 | | | | 0.25 | 0.25 | 0.25 | | | | | | | | | | | 0.25 | | | | | | 0.25 | | 1.5 | 1500.0 | | |
| Iron | 1000 | 2 | | | | | 0.25 | 0.25 | 0.25 | | | | | | | | | | | | 0.25 | 0.25 | | | | | 1.25 | 2500.0 | | |
| Communication | 5 | 4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 12 | 240.0 | |
| Refrigerator | 120 | 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 | 24 | 2880.0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | Daily Load (Wh/day) | 13292.5 | | | |
| Naval Detachment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Number of police posts | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| User Controlled Loads | Rated Power | Number of Units | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fluorescent bulb | 40 | 4 | 0.1 | 0.1 | 0.1 | 0.2 | 0.25 | 0.5 | | | | | | | | | | | | | 0.25 | 0.75 | 0.75 | 0.25 | 0.1 | 0.1 | 0.1 | 3.55 | 568.0 | |
| LED bulb | 10 | 8 | 0.25 | 0.25 | 0.25 | 0.25 | 0.75 | 0.25 | | | | | | | | | | | | | 0.5 | 0.5 | 0.5 | 0.25 | 0.1 | 0.1 | 0.1 | 4.05 | 324.0 | |
| Fan | 40 | 4 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0.5 | 0.25 | 0.25 | 0.25 | 13.75 | 2200.0 | |
| Table fan | 25 | 4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 12 | 1200.0 | |
| TV | 70 | 2 | | | | | 0.5 | 1 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1 | 1 | 1 | 1 | 0.5 | | 12 | 1680.0 | | |
| Radio | 15 | 2 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1 | 1 | 1 | 1 | 0.5 | 0.5 | 0.5 | 15 | 450.0 | |
| Water heater | 1000 | 1 | | | | 0.25 | 0.25 | 0.25 | | | | | | | | | | | 0.25 | | | | | | 0.25 | | 1.5 | 1500.0 | | |
| Iron | 1000 | 2 | | | | | 0.25 | 0.25 | 0.25 | | | | | | | | | | | | 0.25 | 0.25 | | | | | 1.25 | 2500.0 | | |
| Communication | 5 | 4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 12 | 240.0 | |
| Refrigerator | 120 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 16 | 1920.0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | Daily Load (Wh/day) | 12582.0 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | Total Daily Village Load (kWh/day) | 5832.5 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | Total Monthly Village Load (kWh) | 174975.6 | | | |

ANNEX – 4

Summary of hourly load for on-season

SUMMERY OF HOURLY LOAD - ON SEASON

| Time | Total Load (kWh) |
|------------------|-------------------------|
| 0001-0100 | 226 |
| 0100-0200 | 224 |
| 0200-0300 | 224 |
| 0300-0400 | 229 |
| 0400-0500 | 313 |
| 0500-0600 | 263 |
| 0600-0700 | 211 |
| 0700-0800 | 223 |
| 0800-0900 | 220 |
| 0900-1000 | 244 |
| 1000-1100 | 244 |
| 1100-1200 | 229 |
| 1200-1300 | 231 |
| 1300-1400 | 231 |
| 1400-1500 | 242 |
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