Location: Bara community; (N, E), Kirfi Local Government area of Bauchi state, Nigeria,

Population: >500 residentts

Source: Survey

Table 4: Daily Load Profile (Dry Season)

|  |  |  |
| --- | --- | --- |
| Serial Number | Period (hours) | Load demand (kW) |
| 1 | 12-1 | 10 |
| 2 | 1-2 | 10 |
| 3 | 2-3 | 10 |
| 4 | 3-4 | 10 |
| 5 | 4-5 | 10 |
| 6 | 5-6 | 12 |
| 7 | 6-7 | 13 |
| 8 | 7-8 | 13 |
| 9 | 8-9 | 15 |
| 10 | 9-10 | 16 |
| 11 | 10-11 | 16 |
| 12 | 11-12 | 15 |
| 13 | 12-1 | 16 |
| 14 | 1-2 | 17 |
| 15 | 2-3 | 18 |
| 16 | 3-4 | 20 |
| 17 | 4-5 | 23 |
| 18 | 5-6 | 24 |
| 19 | 6-7 | 26 |
| 20 | 7-8 | 30 |
| 21 | 8-9 | 32 |
| 22 | 9-10 | 35 |
| 23 | 10-11 | 15 |
| 24 | 11-12 | 9 |
| **TOTAL** |  | **415** |