

**Table 6** Community energy demand

Establishment	Type of load	No. of points	Device rating (W)	Connected load (kW)	Time of use	Days		Demand (kWh/year)
						Hours of use/day	of use/year	
School	Light	2	60	0.12	Night (6 p.m.–8 p.m.)	2	200	48.00
	Fan	4	75	0.30	Day and night	8	50	120.00
<i>Panchayat ghar</i>	Light	1	60	0.06	Night (6 p.m.–8 p.m.)	2	250	30.00
	Fan	1	75	0.08	Day (10 a.m.–12 noon)	2	100	15.00

Primary health centre	Light	—	—	—	Day (10 a.m.–12 noon)	2	250	0*
	Fan	1	75	0.08	Day (10 a.m.–12 noon)	2	100	15.00
Infrastructure								
(a) Street lighting	Light	5	60	0.30	Night (6 p.m.–8 p.m.)	4	365	438.00
(b) Drinking water	Pump set	1	1492	1.49	Morning or evening	2	365	1089.16