



Alternative Energy Promotion Centre (AEPC)

Ministry of Population and Environment

South Asia Sub-regional Economic Cooperation (SASEC)

DEMAND FORM for Mini-grid Solar and Solar-Wind Hybrid Systems

The information related to electricity demand of the rural community seeking for off-grid solar/wind mini-grid technologies shall be collected through the lead role of Regional Service Centers (RSCs) with the support of local community and district energy, environment & climate change section (DEECCS). The information can be collected from the field survey and interaction with the local village level stakeholders.

Form No:	Date:
Project Name:	District:
VDC:	Ward No/Tole:

- Existence of NEA power distribution line in the proposed village: Yes () No ()
- Distance of NEA power distribution line from the proposed village: Km
- Total no of Household (HH) in the proposed village area:

S.N.	Name of Tole	Number of HH	Population		Remarks
			Male	Female	
1					
2					
3					
4					

4. Source of income in the village

S.N.	Particular	Share (%)
1	Agricultural production	
2	Service/Jobs except remittance	
3	Income from remittances	
4	Business/Enterprises	
5	Others, if any	

5. Present Source of Electricity and/or Lighting in the village:

S.N.	Types of Power supply	No of HH	No of Enterprises	No of other Intuitions	Remarks
1	Solar home systems				
2	Small solar home systems				
3	Pico-hydro/Peltric set				
4	Micro-hydro power				
5	Kerosene				

6	Diesel Generator set				
7	Others, if any				

6. Existing or potential Business or Enterprises in the proposed village (Please use the list or edit as required):

S.N.	Name of Enterprise	Type of Products	Annual Production Capacity	Remarks
1	Agro-processing			
2	Saw Mill			
3	Shops			
4	Clinic and/or Veterinary			
5	Others, if any			

7. Households or Domestic Power Demand (Please use the list or edit as required):

S.N.	Appliances/Equipments	Quantity (A)	Estimated Watt per Unit (B)	Total Power Watt $C = A * B$	Average daily use (Hour/day)
1	LED Lights				
2	Radio				
3	Mobile Charging				
4	Television				
5	Others, if any				
Total Power Demand (Watt)					

8. School Power Demand (Please use the list or edit as required):

S.N.	Appliances/Equipments	Quantity (A)	Estimated Watt per Unit (B)	Total Power Watt $C = A * B$	Average daily use (Hour/day)
1	LED Lights				
2	Computers				
3	Mobile Charger				
4	Television				
5	Printers				
6	Others, if any				
Total Power Demand (Watt)					

9. Health Post Demand (Please use the list or edit as required):

S.N.	Appliances/Equipments	Quantity (A)	Estimated Watt per Unit (B)	Total Power Watt $C = A * B$	Average daily use (Hour/day)
1	LED Lights				
2	Refrigerator				

3	Mobile Charger				
4	Sterilization unit				
5	Others, if any				
Total Power Demand (Watt)					

10. Business or Enterprise Power Demand (Please use the list or edit as required):

S.N.	Appliances/Equipments	Quantity (A)	Estimated Watt per Unit (B)	Total Power Watt $C = A * B$	Average daily use (Hour/day)
1	Agro-processing				
2	Saw Mill				
3	Shops				
4	Clinic and/or Veterinary				
5	Others, if any				
Total Power Demand (Watt)					

11. Other Public Power Demand (Please use the list or edit as required):

S.N.	Appliances/Equipments	Quantity (A)	Estimated Watt per Unit (B)	Total Power Watt $C = A * B$	Average daily use (Hour/day)
1	Street Lights				
2	Village information desk				
3	Security station				
4	Communication Center				
5	Others, if any				
Total Power Demand (Watt)					

12. Estimated Cumulative Electricity Demand of the proposed village

S.N.	Electricity Users	Quantity	Unit Power Requirement (kW)	Total Power (kW)
1	Households demand			
2	School demand			
3	Health post demand			
4	Enterprise/Business demand			
5	Other Public power demand			
6	Others, if any			
Total Power Demand (kW)				

13. Potential resources for mini-grid power generation in the village (please tick one or more)

A) Solar Energy

