

### List of material for one Health Post

#### Local procurement material List for Two Health post PV AC power supply

No	Item/Material	Specification/ description	Unit	Qty
1	PV solar module	Crystalline; Uoc 35V (appr); efficiency>13%; ≤ 4 pcs of panels; Total capacity = 700Wp;	Pcs	≤4
2	Charge Controller	40A capacity, (Input voltage ~40V DC, Output voltage= 24V)	Pcs	1
3	Battery Inverter	800W; 24V input voltage; 230V/50Hz AC output; Pure Sine Wave and MPP type;	Pcs	1
4	Solar Batteries & bolts	Solar battery 24V/400Ah @ C10 sealed, maintenance free; ≤ 4 batteries;	Pcs	≤ 4
5	Battery bridge	At least 35mm <sup>2</sup> cross section	Pcs	3
6	Fuse Box	Fuse box with type HRC 00 70A Fuse and 4pcs of fuse as spare	Pcs	1
7	Circuit Breaker	DC circuite breaker 50A, 2 pole/3 pole	Pcs	2
8	Power cable	Power cable 3x16mm <sup>2</sup> ; flexible	m	
9	Solar cable connector	MC4 Connector (Positive & Negative) pair	pcs	6
10	Solar cable connector	Branch (+ and -) pair	pcs	8
11	Battery Box	Wooden Box (For the number of batteries proposed)	Pc	1
12	PV structure	Made for ground/roof installation and inclination at angle of 15° along with bolts and nuts	Set	1
13	Wire	yellow green flexible 1x4mm <sup>2</sup> for grounding	roll	1
14	Cables	2x2.5mm <sup>2</sup>	roll	1
15	Cables	2x1.5mm <sup>2</sup>	roll	1
16	Trunking	50 x 30 x 3000mm	pcs	2
17	Grounding rod	80cm long; copper rod with nut	pcs	1

