



# Baobab Health

## **SOP/Checklist for lowering the EVR Mini Tower**

- Ask someone from the village to bring water for washing the solar panels.
- Make sure that there is sufficient space to lower the tower (no new structures been erected such as tobacco drying sheds, etc.)
- Pull sufficient cable from the house to allow the tower to tilt without putting any tension on the cable
- Position the tower support stand such that the pole will sit comfortably on the support and will not interfere with the repositioning of the solar panel bracket.
- Loosen the lower bolt slightly to remove any friction (19mm).
- Remove the nut from the upper bolt.
- Three people support the tower while one person removed the upper bolt.
- Gently pivot the tower down on the lower bolt until the tower is safely resting on the support stand.
- Make sure the “U” bolt nuts on the solar frame are tight (17mm).
- Using a pen or a marker, mark the “U” bolt on the solar panel frame and the pipe itself to make sure that the direction of the panels does not change while adjusting the angle.
- Loosen the 2 lower nuts/bolts on the solar bracket so the bracket slides up and down the pole easily.
- Using the wooded angle guide adjust the angle of the panel such that the angle between the pole and the panel is 52 degrees.
- Tighten the nuts/bolts on the bracket.
- Carefully wash the dirt from the solar panels making sure not to apply cold water to the hot panel which may result in cracking of the glass.
- Check the mounting of both antennas to ensure that they are secure.
- Make sure that the lower section of the antenna is high enough that its signal is not obstructed by the metal mounting pole on the mini tower.
- Remove the rain cover from the BaseBox/Metal being careful to watch for insects. Ensure that the coax cables are tightly connected. Reinstall the cover.
- Check the Ethernet cable for signs of damage.
- Three people to push the pole back up into position, with one person to insert the bolt.
- Tighten the upper bolt.
- Tighten the lower bolt.
- Collect all tools used and return them to the toolbox.

