**Protection Brick wall**

- Height 1300mm
- Width 150mm
- 4" PVC Plain casing

**Pump installation**
- Depth approximately 18-27mm from well bottom
- PVC screen slot with 0.5/1.0mm
- 4" PVC sump pipe 100mm

**6" Borehole Ø down to total depth**

- Gravel park grain size 2-3mm
- Screen
- Sealing bride
- Clay seal: 2m
- Gravel seal: 1m
- Black bed material

**Sand level appx. 0.12m**

**5½ steel casing down to appx. 5m**

**Concrete Apron with Drainage ring**
- Total diameter 2800m
- Width of drainage 150mm
- Height at well wall 300mm
- Height of perimeter wall 1500mm
- Foundation wall 150mm
- Foundation of perimeter wall 1500mm
- Width of drainpipe 150mm
- Steel diameter 2800mm

**NOTE**

1. All block wall thickness = 225mm except otherwise stated.
2. Cover to reinforcement must not be less than 25mm.
3. All lap length should be 45D.

**PROPOSED CONSTRUCTION OF SOLAR POWER BOREHOLE WITH WATER TANK TOWER**