

Site visit with the contractors Masri Livestock on November 6, 2017.

Site visit procedure:

1. Met the contractors at the beneficiary's entrance and discussed the overall project design and the beneficiary's main activities
2. Visited the cattle farm
3. Visited the exact site location (biogas digester and CHP engine) and discussed the technical specifications
4. Visited the existing mechanical separator and the mixing pit
5. Discussed technical issues and questions with the contractors

Main points discussed (with the presence of the beneficiary representative):

1. Overview on the handling of the manure and transportation to the biogas facility of liquid manure, there was a discussion about 2 options: (1) piping system + pump from the old mixing pit to the digester; (2) the construction of new mixing pits and a new mechanical separator next to the biogas facility.
2. The distance of the cable to the main distribution board (new distance was approximated at 320 m (10% margin))
3. No hot water available at the new location.
4. Site preparation is the responsibility of the beneficiary, this includes tree removal, road preparation and fence construction.
5. Heating of the digester was put in question, contractors argued that with no insulation the heating will be obsolete, risk of losing 1 month a year of electricity generation.
6. Discussed the addition of a new pump that will pump the effluent to the new mechanical separator.
7. All above discussed points and request for CAD drawings are to be sent as clarification requests to procurement on: lb.bidding@undp.org