

Site visit with the contractors to Southern Suburbs Municipalities Federation on October 31, 2017.

Site visit procedure:

1. Met in the beneficiary's meeting room and discussed the overall project design and the technical drawings
2. Visited the installation area
3. Visited the electrical room
4. Visited the generators
5. Discussed technical issues and questions with the contractors

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

1. Description of the mounting procedure for the panels on the curved corrugated sheet roof of the facility
2. Regarding the installation of the inverters, the different options were stated on site while highlighting the fact that the inverters should be protected from direct sunlight and rain.
3. Cable spans and existing shafts were discussed while highlighting the use of cable trays conforming to the criteria in the ITB.
4. The connection point was discussed with the contractors along with the different location options for installing the electrical panels.

Main questions asked:

1. Will AutoCAD drawings be provided?
 - a. Please follow the drop box link:
<https://www.dropbox.com/sh/4wrgzxsali10z53/AADoMMGY5vUEp6oJxVhC0roea?dl=0>
2. How to install and extend the AC cables?
 - a. The different options were discussed including utilizing the existing shafts to reach the technical rooms
3. Is it required to orient the panels as given in the preliminary design (south-east orientation)?
 - a. The contractor can provide his/her own design however, the rated capacity and the yearly energy generation must be met.
4. Where to install the inverters?
 - a. A technical room is available in the same building of the PV plant and has a shaft connecting it to the roof.
5. What is the load profile of the facility?
 - a. Please send an email to lb.bidding@undp.org
6. Where to install the fuel reduction device and how to extend the communication cable?
 - a. The option of installing the fuel save device next to the connection point was discussed along with extending the communication cables in the same path of the power cables.
7. How to connect to the facility's earth bar?
 - a. The main earth bar is available in the main distribution board where the point of common coupling shall exist.