**FOUR MINI STP SITE VISITS**

The committee went on multiple site visits in the company of the contractor’s representative to see the progress on site likewise to assess the need for addition works vis-à-vis the bill items.

The following findings/observations and recommendations were made on each of the 4 sites visited.

**KATAMPE EXTENTION STP**

* The committee observed that construction was carried out on the natural flood plain which can lead to flooding in and around the STP.
* There was 500kva transformer on site but it has to be reconnected to the grid.
* Rats had damaged some electrical wires around the control panel due to improper sealing which allowed the rats access.
* The street lighting around the perimeter of the STP were not properly maintained and were not always on due to poor power supply, therefore solar lights were suggested.
* The contractor indicated that the 400kva back-up generator on site has been serviced and is in good working order, although it wasn’t fuelled therefore the committee did not witness it working.
* The screw lift pump requires maintenance
* The electrical pumps need to be replaced with two extra one on ground for immediate replacement in case of failure.
* The screens need to be desilted
* Return sludge pumps and other appurtenances were vandalized.
* Inadequate security apparatus
* Sewer water had been diverted since the STP in not in proper working order

**ABACHA BARRACKS STP**

* The CRE informed the committee that both stormwater and sewer water are fed to the Plant thereby overwhelming it and sign of flooding was visible.
* In view of the above observation, the committee suggested construction a cut-off drain at the entrance of the facility.
* The transformer on site was not working, moreover 11kva is being supplied to the facility which is inadequate, the committee suggested that is should be changed to 33kva line.
* Electrical control panel were not working and signs of vandalism were visible.
* 5 blower machines were installed.
* Evacuation of the aeration chamber were done on the instruction ES’s following his recent site visit. The cost of the evacuation however was not part of the bill therefore it now has to be included.
* Incessant vandalism all over the plants were observed.
* Need for 300mm aluminium cable
* Need for fence security wire (250m)
* One of the return sludge pumps is missing, the other one is not in working condition, thus needs replacing
* No perimeter lighting
* No back-up generator
* No supply of potable water

**APO STP**

* Contractor indicated that the power supply from the grid is low and sometimes it cannot power the plant equipment. A dedicated transformer is installed but not yet energized due to high electricity bills being accumulated. The committee therefore suggested making provision for the electricity bills pending handover or look into partial handover
* No back-up generator
* Only two out of the four blowers are working (Not optimally)
* Contractor indicated that he has serviced the machines, fixed power brakers, bought transformer and drew power lines to the transformer.
* No back-up generators
* Need for perimeter lighting
* Need for re-rendering of the fencing and fix security wires round the fence
* Only one sludge pump installed as opposed to two (the previous two installed were supposedly replaced with a single more powerful one)
* Need to introduce drains and sand trap to control water logging the fence.
* Some potion of the fence needs rebuilding and some section will require retaining walls
* Need for Construction of cut-off drain at the entrance of the facility
* No potable water supply
* Need for A/C in all of the control panel rooms
* Need for renovation of facility maintainer room, committee suggested provision of 2 million Naira for this purpose
* Return sludge pump not working
* Omission of circuit brakers from the additional items in the bill, over 25 has been used so far out of the 15 in the bill

**GUDU STP**

* Existing transformer is 11kva, there is need to change it to 33kva
* Rebuilding of fence is needed using concrete poles and wire mesh in other to allow water flow
* Need to remove the dwarf walls
* Provision of 400kva generator as opposed to 250 in the bill
* Nope of the return sludge pumps were working
* The control panel was faulty
* Aerators were not working
* Need for renovation of facility maintainer room, committee suggested provision of 2 million Naira for this purpose
* Contractor suggested buying cables and drawing power to the existing transformer, the committee however recommend buying a new conventional 33kva transformer
* The electrical aerator panel not working (issue likely the aerator and pump hardware making system show errors).