



Kenya Power

ISO 9001:2008 QMS  
WORK INSTRUCTION  
LOCATION: KIPEVU  
132/33/11KV SUBSTATION

Doc. No.

KP1/12A-2/PT/3/14/A35  
DESIGN, SUPPLY,  
INSTALLATION AND  
COMMISSIONING OF 33KV  
GAS INSULATED  
SWITCHGEAR (GIS) AT  
KIPEVU.

Time

9.10 AM

Date of Meeting

2014.06.12

SUBJECT: MINUTES FOR :  
SITE VISIT MEETING  
-12<sup>th</sup> June 2014

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## AGENDA

1. Introductions
2. Bidders contact details
3. Queries from Bidders
4. Answers to some of the queries

## Attendance

- |                       |             |                       |                 |
|-----------------------|-------------|-----------------------|-----------------|
| 1. Michael Adhiambo   | - KPLC      | 17. Wycliffe Miyungi  | - SINOTEC       |
| 2. Mary Kihara        | - KPLC      | 18. Navpreet Anand    | - PEERAJ        |
| 3. Eliud Limo         | - KPLC      | 19. Erick Otido       | - SIEMENS       |
| 4. George Ngugi       | - KPLC      | 20. Mostafa ElHossamy | - GIZA          |
| 5. Valentine Shikundi | - KPLC      | 21. Stanley Makokha   | - GIZA          |
| 6. Charles Maweu      | - KPLC      | 22. Dipendra Rele     | - L&T           |
| 7. Tom Kimama         | - KPLC      | 23. Stephen Onyango   | - EZEETEC       |
| 8. Timothy Njuguna    | - CHINT     | 24. Stephen Munene    | - SHANDONG      |
| 9. Erick Otido        | - SIEMENS   | TAIKAI                |                 |
| 10. Vinayak Masur     | - SIEMENS   | 25. Udit Mather       | - Graduate Agro |
| 11. Gift Boyana       | - GEM CM    | 26. Harun Kuria       | - SGCC-CET      |
| 12. John Woollams     | - ALSTOM    | 27. Guyang ming       | - CCC           |
| 13. Nicholas Sambu    | - ABB Kenya | 28. Jiao Feng         | - CCC           |
| 14. Ian Lagat         | - LINKSOFT  | 29. Macharia          | - Powergen      |
| 15. Leon van Rensburg | - CONCO     |                       |                 |
| 16. Lubisia Imbega    | - PTL       |                       |                 |

1. Details of Bidders in attendance were collected for the purpose of communication on matters related to this tender.
2. The meeting started with introduction of KPLC team and substation safety issues pointed out. Substation layout was well described and scope of works defined.
3. Emphasis made on the coastal corrosive climate when carrying out the design.



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4. It was pointed out that the Existing 33kV Switchgear outdoor equipment will be maintained in place even after the completion of works. After installing the new system, it must be possible to revert back to the old system at the power circuit cable take off; in case of failure of new system.
5. The existing 33kV Indoor switchgear shall be carefully dismantled (without causing further damage to equipment) and all parts transported to KPLC premises at Mbaraki Depot, Coast Region.
6. The existing 11kV Indoor switchgear shall be carefully dismantled (without causing further damage to equipment) and all parts transported to KPLC premises at Mbaraki Depot, Coast Region.
7. The Bidder is required to assess the suitability of the existing building and provide engineering solutions and designs for the project. In addition to what is well described in the document, the following points were highlighted to the bidders:
  - All roof iron sheets shall be replaced
  - All steel windows shall be of aluminium frame with 6mm glass and burglar proof bars in accordance to the new designs.
  - All doors shall be replaced and Emergency doors placed appropriately.
  - Wall plaster and floor surfaces to be redone. Wall plasters in areas affected by fire shall be fully hacked.
  - Building ceiling shall be of fire proof materials.
  - Automatic fire system for the building.
  - Air conditioning to be fitted.
  - Replace all electrical wiring system
  - Replace all water systems and include water harvesting.
  - All materials recovered from the building shall be taken to KPLC premises at Mbaraki Depot, Coast region.
8. All power cable circuits shall be placed in separate/independent cable trenches with elaborate cable support system for both outdoor and indoor (in cable gallery). Each of these cable trench enclosures shall be fire resistant.



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9. The Overhead crane system in the GIS room shall be able to carry any of switchgear modules across the room without affecting the whole assembly of modules. This system shall also be so designed to enable the lifting of the equipment from outside the building.
10. The power cables to the Overhead lines or cable circuits shall Not be connected directly to the GIS terminals. A transition system shall be designed in order to ensure these connections and isolations if required; are done away from the GIS terminal. This will be dependent on the GIS design and therefore the bidder shall provide the design details.

ENG. MICHAEL ADHIAMBO  
DEPUTY MANAGER, PROJECTS