**PSB0055 Submission: Findings and resolutions**

**“Grid Emission Factor for the Republic of Kenya”**

| **CL No.** | **Request for Clarification (CL)** | **Reference to general provisions of guidelines on quality assurance and quality control of data used for sector-specific standardized baselines** | **Responses and corrective actions of DNA** | **Conclusion**  **(open/closed)** |
| --- | --- | --- | --- | --- |
| 1 | Inconsistencies are observed in fuel consumption data for following power plants while cross-checking the data reported against the reference provided. The inconsistencies affect the calculation of operating margin (OM) EF.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Power Plant** | **Fuel consumption amount provided as in worksheet “SIMPLE\_OM\_GRID\_ADJ\_DATA” of excel file “Kenya SB table”** | **Reference cell** | **Fuel consumption amount verified from worksheet “Power Plants” of excel file “Kenya GEF SB\_base data”** | **Reference cell** | | **Fuel consumption discrepancy for 2017** | | | | | | Kipevu III Diesel | 38,092,740.00 | G64 | 38,002,043.00 | U44 | | Muhoroni Gas Turbines II | 63,000.00 | G65 | 59,814.92 | U45 | | Muhoroni Gas Turbines I | 34,086,823.67 | G66 | 34,027,008.75 | U46 | | **Fuel consumption discrepancy for 2018** | | | | | | Kipevu III Diesel | 107,547,090.00 | G77 | 107,291,025.50 | U65 | | **Fuel consumption discrepancy for 2019** | | | | | | Kipevu III Diesel | 122,599,260.00 | G88 | 122,307,357.00 | U86 | | Muhoroni Gas Turbines II | 3,780,000.00 | G89 | 3,779,187.30 | U87 | | Muhoroni Gas Turbines I | 17,463,600.00 | G90 | 17,463,247.20 | U88 |   The DNA is requested to correct these inconsistencies in the fuel consumption records in-line with the base records provided in excel file “Kenya GEF SB\_base data” and re-calculate the OM EF. | Para 15 (c) and Para 15 (f) | The DNA has made corrections to the fuel consumption records in-line with the base records provided in excel file “Kenya GEF SB\_base data” and re-calculated the OM EF. | The DNA has corrected the inconsistencies in fuel consumption data for identified plants. The data provided in the revised version of the excel file and CDM-PSB-FORM is same as verified from excel file “Kenya GEF SB\_base data”.  The CL is closed. |
| 2 | Inconsistencies are observed in electricity generation and fuel consumption records for following power plants while cross-checking the data reported against the reference provided. The inconsistencies affect the calculation of build margin (BM) EF.   1. Kipevu III Diesel plant; 2. Muhoroni Gas Turbines II; and 3. Muhoroni Gas Turbines I   Inconsistencies in electricity generation data   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Power plant** | **Electricity generation as provided in worksheet “BUILD\_MARGIN\_DATA” in excel file “Kenya SB table”** | **Reference cell** | **Electricity generation as verified from worksheet “KPLC Data” and “KPLC Data1” in excel file “Kenya GEF SB\_base data”** | **Reference cell** | | Kipevu III Diesel | 583,806.00 | C60 | 489,657.00 | H20 of KPLC data | | Muhoroni Gas Turbines II | 12,000.00 | C74 | 11,997.42 | F7  KPLC data1 | | Muhoroni Gas Turbines I | 55,440.00 | C77 | 55,438.88 | F6  KPLC data1 |     Inconsistencies in fuel consumption data   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Power plant** | **Fuel consumption as provided in as provided in worksheet “BUILD\_MARGIN\_DATA” in excel file “Kenya SB table”** | **Reference cell** | **Fuel consumption as verified from worksheet “Power plants” in excel file “Kenya GEF SB\_base data”** | **Reference cell** | | Kipevu III Diesel | 122,599,260.00 | E60 | 122,307,357.00 | U86 | | Muhoroni Gas Turbines II | 3,780,000.00 | E74 | 3,779,187.00 | U87 | | Muhoroni Gas Turbines I | 17,463,600.00 | E77 | 17,463,247.00 | U88 |   The DNA is requested to correct these inconsistencies in the electricity generation and fuel consumption records in-line with the base records provided in excel file “Kenya GEF SB\_base data” and re-calculate the BM EF. | Para 15 (c) and Para 15 (f) | The DNA has made corrections to the electricity generation data in-line with the base records provided in excel file “Kenya GEF SB\_base data” for the power plants Muhoroni Gas Turbines II and Muhorono Gas Turbines I.  Further clarification is requested on the correction required for power plant Kipevu diesel III as the electricity generation value provided in the Kenya SB table is consistent with that provided in the Kenya GEF SB base data (refer to reference cell T 86) i.e. 583806  The BM EF has been recalculated  The DNA has made corrections to the fuel consumption data in-line with the base records provided in excel file “Kenya GEF SB\_base data”  The BM EF has been recalculated.  Corrections have been made to the electricity generation data for the Kipevu III plant in line with the clarification request.  Further, inconsistencies in fuel consumption data for the Kipevu III Diesel plant have been corrected. Fuel consumption data is now reflected as:  107,291,026 for year 2017  (Cell U44),  122,307,357 for year 2018 (Cell U65)  and  102,583,142 for 2019 (Cell U 86).  The BM and OM have been recalculated | The DNA has corrected the inconsistencies in electricity generation data for identified plants except electricity generation for Kipevu III Diesel plant is not corrected. It should be noted that electricity generation of Kipevu III Diesel plant for year 2018/19 should be provided i.e. 489,657.00 MWh should be used rather than the 583,806.00 MWh which is for year 2017/18.  For rest of the plants the data provided in the revised version of the excel file and CDM-PSB-FORM is same as verified from excel file “Kenya GEF SB\_base data”.  The DNA is requested to correct the inconsistency in reporting electricity generation for Kipevu III Diesel plant.  Similarly, for fuel consumption data the DNA is requested to correct the inconsistency in the reported values of fuel consumption data for all identified plants.  Since the fuel consumption is back-calculated using the electricity generation amount there will be change in the fuel consumption value as reported in the source file. In that case the DNA is also requested to re-submit the source data file “Kenya GEF SB\_base data”.  The CL is open. |

(Note: When communicated with DNAs, the last column should be omitted. The table will be combined and included in the Assessment report as Appendix)