Charter Template

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| **Project Title: Soku LP Flash gas compressor Commissioning**   |  | | --- | | **Business Case**  Soku Gas Plant currently has a nomination of ca. 500mmscfd and 20kbbl/d condensate. Currently the plant is flaring circa 10mmscfd of gas. This is above the flare target and contrary to the SEPCiN Flare Management policy. The Soku GP facility target for OP17 is **6.0mmscfd**  The enforcement of the protocol (Operationalization of SEPCiN Flare Management Guideline) will commence with effect from 1st February, 2018. The guideline aligns with Group strategy to “Reducing CO2 intensity” with the aim of achieving TQ GHG intensities by 2025 and engender improved compliance with the SPDC flare down strategy by providing clearer guidance on management of non-routine flaring.  It sets very stringent penalties for flaring above targets without approved waivers which include production cut-back and/or shut-in.  Therefore, it is imperative to ensure that all equipment’s for flare reduction are up. The LP Compressor has a capacity of 3mmscfd and compresses between 3.5 to 7 .5 bar for the AG compressors suction. Based on the volume of the LP flare currently seen, about 2.5mmscfd and sometimes rising to 4mmscfd with K2S well coming in and low of about 1.7mmscfd  **Objectives**  To fix issues in and commission the LP Flash gas compression system, ensuring compressor 98% availability, thereby eliminating/reducing flaring of LP gas | | |  |  |  | | --- | --- | --- | | **Potential Benefits & Measurement**   1. Reduce Soku GP flare volumes by upto 40% 2. Reduce cost of penalties due to gas flaring 3. Reduce production deferment as result production close-ins due to flaring above target 4. Improved environmental compliance | **Project Scope/Actions**  **Phase 1**   1. Carry out review/Function Checks of all equipment’s/devices in the unit. **TCD** 2. Repair/Procure/replace faulty components **TCD** 3. Reverse preservative maintenance actions on the compressor **TCD** 4. Carryout review of gas composition to ensure its still within design parameters **TCD** 5. Carry out commissioning and startup activities **TCD** | **Critical Success Factors**   * Availability of AG2 compressor * Availability of gas volumes above LP flash gas compressor turn down * Availability of mains power. | |      |  |  |  | | --- | --- | --- | | **High-level Timeline:**  L0 - L1: January 2018  L2: February 2018  L3: March 2018  L4: April 2018  L5: August 2018 | **Summary:**  Soku LP flash gas compressor has been unused since 2008 due to insufficient feed gas supply from. With the coming of K2S which has increased flash gas volumes and the new guideline for flare management, it becomes imperative that the compressor is put back in service | Project Sponsor: Asset Manager  Implementation Lead: Onyejekwe C.  Project Team  1. Aboturi Chamberlain.  2. Oluseye Philips.  3. Adesina Lukmon.  4. Ejenake Benjamin.  5. Hyginus Njoku  6. Aniebiet Robert.  7. Piate Chris | |