Charter Template

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| **Project Title: Soku Gas Plant Condensate Spiking Pump & Glycol Pump Availability**   |  | | --- | | **Business Case**  Soku Gas Plant currently has anomination of ca. 500mmscfd and exports 20kbbl/d condensate. Four spiking pumps are available to spike this volume of condensate into the gas export line with each pump having a capacity to delivery ca. 6kbbl/d condensate. There are also two glycol pumps per Glycol Regeneration Unit to ensure proper dehydration of gas to meet customer specifications.  In recent times, these pumps have suffered from several breakdowns, faults and trips leading to poor availability. These have been attributed to both instrumentation and mechanical issues. This pose a serious threat to condensate export in the facility with impact on its ability to ensure sustained gas production and meet daily nomination targets.  **Objectives:**  There is need to reverse this poor trend, address issues and restore these pumps with focus geared at increasing availability of all pumps all year round. This project is geared towards delivery of these objectives. | | |  |  |  | | --- | --- | --- | | **Potential Benefits & Measurement:**   * Increase Pumps availability to >90% * Eliminate threat of deferment arising from tank top. * Execute quality maintenance routines. * Ensure timely procurement for critical spares. | **Project Scope/Actions :**  **PHASE 1:**   * Gather data i.e. trip reports, logs, Z1s, etc: 01 - 13/12/2017 * Determine the key issues requiring solutions and implementation actions 07 - 20/12/2017 * Generate detailed breakdown of immediate actions to address issues 21 – 27/12/2017 * Establish schedule and associated costs for close-out of issues 28/12/2017 - 03/01/2018 * Secure funding for implementation of close-out actions: 04 - 17/01/2018. * Review Maintenance plans /MJRs with relevant TA & SME: 11/01/2018 - 21/02/2018   **PHASE 2**   * Implement changes to maintenance plans / MJRs on SAP: 22 - 28/02/2018 * Progress close-out of actions: 11/01/2018 - 25/04/2018 | **Critical Success Factors:**   * Regular Supply of lube oil. ( Mysella LA 40 and Omala 460). * Procurement of critical spares (Spare plugs, Filters, carburetor diaphragm, Packings, Twin sphere connector, Belts, Plungers, coolants) * Regular review of condition monitoring reports and prompt close-out of recommendations. | |      |  |  |  | | --- | --- | --- | | **High-level Timeline:**  L0 - L1: December 2017  L2: January 2017  L3: January 2017  L4: March 2018  L5: April 2018 | **Summary:**   * The spiking and glycol pumps have been associated with recent trips and failures. This cadence project is aimed at improving their availability to >90%. * Implementation of the solutions and realization of the gains would ensure the facility continues to meet its production targets. | Project Sponsor: Soku PUM  Implementation Lead: Nwosu Peterclaver  Project Team: Soku Mechanical Team | |