Charter Template

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Project Title**  **BNAG Manifold Oloma Vortex meter power improvement Project**   |  | | --- | | **Business Case/Objectives:**  **Bonny flow station Oloma has Vortex meters installed which have not be available due to multiple issues around power unavailability, obsolete control system and a severed fiber optic cable link. Because of these issues appropriate metering for WRFM purposes are greatly mired and manifold control valve operations hindered. This has resulted in using unconventional methods as well as estimates to carry out WRFM and back allocation activities. The BNAG currently losses 50mmscf/d in production and unavailability of these meters have made RCA study on the loss inconclusive. The accompanying deferment and costs are significant.**  **This initiative will help resolve the challenges that hinder the full functionality of the Vortex meters and develop actions for implementation with support from relevant teams. This is to be achieved within six months.** | | |  |  |  | | --- | --- | --- | | **Potential Benefits & Measurement**   1. Proper WRFM metering for well potential and back allocation purposes. 2. Potential to improve export gas meter accuracy for multiphase fluids to 1.25% & 2% for measuring mass flow and gas respectively. | **Project Scope/Actions**  **Phase 1**   1. Carry out joint inspection to assess scope of work: 16/2/2017 - 20/02/2018 2. Review findings from recent plant assessment 22/02/2018 - 26/02/2017 3. Develop a work scope and submit to get leadership approval: 25/02/2018 - 08/03/2018 4. Source for contractor and open discussion (on specialist support areas): 14/03/2018 - 11/04/2018   **Phase 2**   1. Secure necessary budget, CC approvals and begin procurement: 11/04/2017 - 24/04/2018 2. Execute work and vendor mobilization on site: 30/04/2018 onwards 14/05/2018 3. Commission and close. 4. Initiate maintenance plans to capture Vortex meter unit on SAP 30/05/2018 – 30/06/2018. | **Critical Success Factors**   * Shutdown window and isolation from manifold end. * Budget availability * Procurement of spares * Availability of OR&A/ROCI team for support * Execution of integration checks/license key/ DCS upgrade by Contractor (Yokogawa) * Well head isolation may be required | |      |  |  |  | | --- | --- | --- | | **High-level Timeline:**  L1:………….  L2:…………..  L3:…………..  L4:…………..  L5:………….. | **Summary:**  BNAG Manifold vortex meters have never been commissioned due to the power issues and the failure of the DCS attached to the meters. This cadence is geared towards resolving these issues, implementing solutions and improving the metering of the hydrocarbon fluid as well as pointing the team in the direction to recover 50mmscf/d estimate. | Project Sponsor: Asset Manager  Implementation Leads: Sotonye Georgewill, Olayemi Akinola, Bernard Okoro.  Project Team: | |