



# Job Description

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<b>Job Title</b> Metering Engineer	<b>Job Location</b> Tanga	<b>Category</b> -
<b>Job Type</b> Full Time	<b>Job level</b> Intermediate	<b>Industry</b> Oil & Gas
<b>Open to Expatriates</b> Open to Expatriates & Local Nationals		

## Minimum Requirements

<b>Min Budget</b> -	<b>Max Budget</b> -	<b>Primary Industry</b> Oil & Gas: 5 Years
<b>Secondary Industry</b> -	<b>Primary Category</b> -	<b>Secondary Category</b> -
<b>Certificate</b> -	<b>Qualification</b> -	

## Summary

Metering Engineer will be managed by Instrument and Control Engineer for MST-Tanga (back office). The Metering Engineer will oversee the metering maintenance activities at PS1, MST, PS 4 & 5. She/he will provide support for metering to PS1 instrument engineer. She/he will be the focal point for metering technical interfaces with feeders, partners, and authorities.

The Metering Engineer will be subject to frequent travel, mainly PS1. She/he is responsible for the maintenances of all flow meters and contract services required for metering systems. EACOP Metering engineer equipment types are mainly:

- Export Flowmeters and other related metering control systems
- Feeder metering packages at PS1.
- PS4, 5 and MST metering package for CRO Genset.
- All metering and measuring instruments as proof loop system.

## Responsibilities

- Ensures flowmeter maintenance properly done or carry out flow meters maintenance activities, both planned preventive and corrective as planned by maintenance system – CMMS for all flow meters and related systems.
- Performs breakdown repairs of flow meters, metering system and measuring instruments whenever required and be proactive in identifying opportunities to improve integration, accuracy, equipment reliability and performance.
- Carries out fault-finding (troubleshooting) and diagnosis of problems affecting crude oil metering system and take corrective action/measures to anticipate and prevent downtime and thus maximize productivity and production availability.
- Responds as appropriate to plant upsets and emergencies.
- Ensures a high standard of housekeeping and safe work practices in and around the plant and facilities.
- Ensures that maintenance activities are performed in strict compliance with COMPANYs current safety rules and operating procedures and in accordance with best industrial practices/standard. Thereby guarantee the quality of the maintenance operations conducted on Site by the Contractor and outside agents.
- Assists in the installation of modifications and new metering equipment.
- Assists in the Preparation of TORs and BOQs for procurement of suitable contractor or consultants for the outsourced maintenance services regarding flow meters and meters, works or procurement of goods and spare parts.
- Assists in the preparation of the annual departmental budget for the metering unit.

- Preparation of maintenance reports and prepare periodic or specific of reporting of the maintenance activities under his/her responsibilities.
- Participates in all aspects of EACOP Pipeline Metering Operations
- Ensures usage of Valid Metering Calibration Equipment having an accuracy better than or at least equivalent to the reference accuracy of the instruments calibrated by planning, supervising, and ensuring all flow meter's calibrations are performed by a competency and certified contractor in accordance with the manufacturers and operations recommended specifications.
- Maintains all the fiscal metering systems to ensure the integrate and accuracy and ensure the measured quantities and allocated volumes are accurate and comply with the standards and local regulation.
- Coordinates with EACOP customers and performs all aspects of the Crude oil measurement both for transmission systems to the MST export metering station.
- Provides assistance during any Metering System rectification/modification or upset and perform Metering System Validation and Certification on pipeline system.
- Ensures and oversees the usage of Valid Metering Calibration Test Equipment having an accuracy better than or at least equivalent to the reference accuracy of the instruments calibrated.
- Preparation and updating Standard Operating Procedures (SOP's) for flow meters and meters related systems operations and maintenance.
- Works closely with Instrumentation and Control Maintenance Engineer, provide/clarify flow rate equation formulae to be entered and used on the DCS and when required, assist the Process Engineer in carrying out monitoring of flow meters and metering system.
- Advises the laboratory personnel on the possible sources of uncertainties in laboratory methods of fluid measurement and proposes means of improvement.
- Assures the integrity of all flow meters, test equipment and rectify if there are any deviations.
- Interface and coordinate with the flow meters vendors and calibration contractors for calibration and outsourced flow meters maintenance/calibration services to ensure the flow meters reliability and accuracy during (operations) measurements process.
- Reviews and manages maintenance plan, spare inventory and all other related administrative tools in the systems as regards metering maintenance on site.
- Assists in preparation of work packs and end of test reports upon completion of jobs.
- Promotes and implements the company safety, health, and environment policies.
- Contributes to HSE performance in line with EACOP objectives.
- Performs any other duties relevant to the scope of work that may be assigned by his/her supervisor.

### **Capacity Building**

- Be a mentor and trainer to local Engineers and Technicians
- Develop professional growth plans for safe future handover and operations (Capacity building, coaching, competencies transfer)
- Build a TEAM spirit environment.
- Evaluate the personnels working in the team and make proposals for their training plan.
- Organize On-The-Job Training (OJT) in coordination with the Training Coordinator.

### **Education & Qualifications**

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- BSc. Degree in Electrical/Instrumentation/Electronics or equivalent qualification from a recognized institution.
- Short course certificates (vendor or regulatory authority) in Flow Measuring and Metering Equipment/instrument Maintenances will be an added advantage.
- Proficiency in oral and written English

### **Requirements**

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- Not less than 5 years of experience in the Oil & Gas industry or a high potential working as a metering engineer in other industries.
- MS office good experience

### **Characteristics**

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- Strong analytical and troubleshooting skills.
- High attention to detail and commitment to measurement accuracy.
- Strong commitment to HSE and safe work practices.
- Excellent communication and teamwork abilities.

- Proactive, reliable, and able to work independently

### Reporting To

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Head of Maintenance and Inspection

### Driving Licence

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Not Required

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