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| **Ghanshyam Shukla**  **Pipeline Engineer /Piping / Project Engineer / PMC Engineer**  **C:\Users\User\Desktop\rsz_ghanshyam_pp.jpg**  **Date of Birth**  5th September. 1968  **Nationality**  Indian  **Educational Qualification:** Bachelor Degree in Civil Engineering from Pune University in the year of 1993.  **Certificate:**   1. **PMP® Certification.** 2. **Executive Development Program in Project Management from XLRI.** 3. **ADNOC H2S&BA Level2**   **Passport Details:**  Passport No.: R2447474  Valid Till : 13/03/2027  **Communication Address:**  Ghanshyam Shukla  B-108, Alkanada Apartment,  Ram Puri Colony, Surya Nagar  Ghaziabad, Uttar Pradesh-201011  [gsshukla5@yahoo.co.in](mailto:gsshukla5@yahoo.co.in)  [gsshukla5@gmail.com](mailto:gsshukla5@gmail.com)  **Land phone**: 00911204568251  **Mobile:** **+919958672221(WhatsApp)**  **UAE No. +971545487685**  **Skype Address:**  gsshukla@hotmail.com  **Reference:** Mr. Kiran Kumar Jha, former Director, Pipelines Indian Oil, Board Member PNGRB, New Delhi, India. Mob +919810442928, kkjha52@gmail.com    [kaushik\_bhadury@yahoo.com](mailto:kaushik_bhadury@yahoo.com)  [kaushikbhadury@gmail.com](mailto:kaushikbhadury@gmail.com) |
| More than 26 years diversified experience functioned as PMC Construction / Project/ Coordinator / Interface Engineer, Subcontractors Manager & Company Representative for Oil/Gas Projects at various levels of Project Management, Planning,Constructionengineer,Fabrication,SteelStructural,Pipelines,Procurement,Administration,HSE review,QC,Commissioning & Review of Tendering for onshore & offshore, worked in Middle East and India mainly in design and project management consultancy(PMC)- project engineering and pipeline engineering on (Onshore and Offshore) major oil and gas projects. Managed and provided support for various project engineering management disciplines to different clients The range of experience covers Conceptual, Basic /Proposal (FEED) , detail engineering and cost estimation of oil and gas pipelines and facilities, gathering (flow/trunk) pipeline network, transport pipelines.  Leadership,ConstructionManagement,InterfacesManagement,Project Coordination, Solving Problem,Negotiation,People Management, Bids Evaluation (Technical/Commercial),Budgeting & Planning, Decision Maker, Efficient Communicator, Supply Chain Management Highly experienced in using various project management tools for scheduling, delegating responsibilities collecting information  **CORE COMPETENCE**   * Design review of engineering documents and specifications. Attend all design meetings and technical workshops. * Perform all necessary pipeline calculations and assessments. * Support HAZOP, HAZID, Risk Assessment, Cold Eye Review, What-if-Analysis, Constructability Reviews, SIMOP’s, ENVID, Risk Management * Ensuring that the designs and project drawings meet the local regulations and international standards, and safety codes. * Perform economic/financial evaluation for feasibility studies for pipeline facilities. Review, recommend all Tender Acquisitions & Agreement Amendments (Scope/Cost/Schedule). * Review and Develop strategies to ensure continuity of service and optimum performance of systems. Perform site activities such as supervision & inspection. * Monitoring and supervising activities related to Pipeline Engineering and recommend projects / suggestions to ensure efficient and reliable operations. * Ensuring the consultants / contractors are delivering detailed designs according to the Company’s standards Requirements. * Support the piping department in ensuring that all drawings, standards, specifications, manuals and data books are kept up-to-date and “as-built”. * Schedule preparation for Procurement, Fabrication, Installation and Hook Up. Acts as the focal point for pipeline engineering matters and provides expert technical advice to Management and other departments/divisions as required. * Responsible for the support of Company Safety, environment and Quality policies and programs, and carrying out specific duties and responsibilities related to his job as spelled out in Management system documentation, policies, procedures, local documentation, Management System Manual, Safety Manual and other related documents. * Reviewed and checked specification in accordance SA specifications and   industry standards ASMEB31.3,B31.4 and B31.8 Prepared MRs and did  TBE for line pipe, valves and other related materials for  Pipeline. Participated and performed pipeline route selection trenching/  backfilling and crossing design developed deliverable verification plan in  the light of Design Basis Scoping Paper with consultations of PM/PE.   * Participated and shared reviews with other disciplines on the design and safety issues. Plan/scheduled deliverable in accordance with road map of the project. Reviewed PFDs/P&IDs and pipeline hydraulics reports for steady state, Transient and slug analysis.   Experience in Hook-up and fabrication of Green field and Brown field works   * Patriciate and shared views in Construability Workshop for Offshore Dredging & Trenching –Backhoe Dredger (BHD)for deeper sections and Elevated Excavator < 3m,Winch Arrangement Plan-400T and Max Pulling Force -320T with Holding Anchor steel cage buried at 4m depth. Shore Pull Site Preparations –Monitoring through Boat Silt Screen Installation, Mooring Pipe lay Barge near Coral Reefs, Shore Pull Operation-Working boat, Messenger Rope min 200m, hold test, gravity anchor, FEED Estimation of Armor Rock, Filter Rock and Geotextile fabric. |

**CAREER SUMMARY:**

* **PMC Senior Pipeline Engineer / Piping Engineer** for **ADOC-Japan, Abu Dhabi (**10 km X18-inch Offshore Pipeline Remedial FEDD Project from Hail Site Terminal (HST) to Mubarraz Island (MUB).

From **Jan 2020** till **Jan 2021**

**Roll & Responsibility**

Design Stage (Feed) Engineering for offshore pipeline connecting to Hail Site Terminal (HST) to Mubarraz Island (MUB). Verification of Scope Definition Stage document, Early Production Scheme (EPS),Full Field Development(FFD) deliverables generated through Feed Contractor TechnipFMC and JANUS Project software data and fully utilizing the tools of Project Document database (PDB)and DB EDMS portal to review and update, Project Document Numbering Procedure, Document Control Procedure, Project Coordination Procedure, Project Execution Plan, Project HSE Plan, Project Quality Plan, Planning Package Dossier, Site Visit Check-list, PHSER,Project Risk Mgmt. Isolation Philosophy, Operation and Maintenance Philosophy, Tie-in and Shut down Philosophy, Pre-Commissioning and Commissioning philosophy, De-Commissioning Philosophy updating of design basis document., Value Improvement Practices(VIP),Matrix Listing of Critical design elements, Lesson Learnt. As Laid and As Built Survey, Hydrographic and Seabed profiling, Bar-checks, SV and CTD fitness on Derrick and winch fitted on Vessels, to records SBES. Pipeline Wall thickness DNV VBA Based S/w DNVGL-ST-F101:2017 V3.4-00, On-Bottom Stability Analysis DNVGL calculation spread sheet STABLELINES v1.7-01, Pipeline Shore Approach-Engineering Backfill Calculation, Pipeline Global Buckling and Walking Screening Study Report, Pipeline On Bottom Roughness Analysis Report-Morphological classifications of pipeline spans pre-commissioning and hook-up of ADNOC / ADOC subsea assets

* **Senior Pipeline Project Engineer (Duqm Refinery-Green Field Onshore Crude Oil Pipeline and Offshore facilities)**

**JV Project Saipem Offshore Chennai, Mott MacDonald Oman**

From **Jan 2018** till **Dec 2019**

**Role & Responsibility**

Facilitate the flow of information between PMC, company and EPC contractors for Duqm Refinery EPC 3 Sub package C Crude Oil pipeline from Ras Markaz to Duqm refinery 28-inch / 80 k.m. Liaise with field engineering and PMC project office site to prioritize any design changes / RFIs which will have a schedule and programme impact. Expedite and prioritize all activities / instructions referred back to the Regional Head Office Cheenai or PMC Project office,Abu Dhabi site design team Oman and see to it that there is timely resolution.

Coordinated with other departments and ensure that all engineering and construction issues are resolved prior hook up execution offshore Provide support to develop and update project coordination processes including FEED VERFICATION, NEED LIST Action Log, IQ &TQ.Responsible for organization of project kick-off meeting (KOM)

Responsible for organize a monthly project progress reports, as required.

Responsible for project-specific change and risk management

Responsible to organize HAZID, DR, HAZOP, SILL and closed-out of project excel sheet .Attend site meetings and project workshops, as required

Responsible to initiate and develop interface register with following details-tie-in no, interface category, interface description, facility description, line no.,material, overall scope of workstation shutdown required ,hot work / cold work, other contractor, interface documents. Generate native Format file for IQ with following details –Client, Project Name&Location,Contract Number, Project Area,IQ No.Date,Revision and Initiator, Subject ,Discipline, Query Narrative, Attachments ,Interface Query Response.

Master IQ Register –Weekly Updating**.** Ensured adherence to the discipline offshore hooks up execution plans are in line with the hook up AFC Drawings.

* **Senior Pipeline PMC (Onshore &Offshore Saudi Aramco & BAPCO), January 2013 to December 2017**

**Employer: JAPAN GAS Corporation (JGC Gulf, Saudi Arabia)**

BAPCO Field Pipeline Engineering and Sitra Storage Project, Bahrain.(16 inch to 4-inch)

Preliminary Design Drawing(s) and specification of Shale Formation Gas

Pipeline (16 inch,30 inch &50MMSCFD) at Jalamid Field to Maaden Facility

including Gas Wellheads, Gas Gathering facilities and Scraper Receiver

Launcher.

Pipeline Designing for Saudi Aramco Pipeline of 42 and 8 inches EWMZ-1,

Hot Tapping and Jump Over at 56 inch East West Pipeline and 8 inch C5+

from Yanbu to East West Pipeline KM 19.

GASCO Pipeline Project of Pipeline and Sulphur Handling Projects Al-

Ruwais,Abu Dhabi.

**Role & Responsibility:**

Pipeline Wall Thickness Design, On-bottom Stability, Pipeline Free Span, Expansion Analysis, Cathodic Protection Design, Pipeline Crossing Analysis, Riser/I-Tube Flexibility Analysis and Preparation of RFQ’s & MTO’s for pipelines, risers & related components. Reviewed documents of Pipeline and Riser Analysis, On Stability Analysis, Pipeline Installation Analysis, Pipeline Free Span Analysis, Pipeline Bottom Roughness Analysis, Global Buckling & Walking Screening Report, On-Bottom Roughness Report, Pipe lay Analysis Report, TOR, EAD, PEP, CEMP&DEMP, EPCSOW,Overall Subsea Field Layout, Oversaw discipline Vendors and Subcontractor for proper interfacing of hook up and pre-commissioning activities offshore.

* **Senior Pipeline Project Engineer, January 2012 – January 2013**

**Employer: BUYSKSAN Engineering and Construction India Ltd.**

Designing of Natural Gas Pipeline and up gradation of Natural Gas Pipeline of GAIL. Terminals across India.

LNG Regasification and Evacuation Project of KO GAS. Petronet LNG, Kochi Terminal, India.

* **Pipeline Project Engineer, July 2009 – December 2011**

**Employer: M.P. Birla Group of Company**

City Gas Pipeline Project (PNGRB) of 14 inch and lesser sizes of CGD GSPC Gas Company Ltd.,Vapi, Gujarat,India.

City Gas Pipeline Project (PNGRB) of 14 inch and lesser sizes Bhagyanagar Gas Company Ltd., Kakinada, Andhra Pradesh, India.

City Gas Pipeline Project (PNGRB) of 14 inch and lesser sizes Gail Gas Company Ltd. Sonipath, Haryana, India.

* **Senior Pipeline PMC Engineer, May 2001 – July 2009**

**Employer: Petronet India Limited (PIL) Joint Venture of IOCL, HPCL & BPCL**

HMEL, Crude Oil Pipeline Project Mundra Bhatinda. Guru Gobind Singh Refinery, Punjab, India.

HPCL Product Pipeline Mangalore Hassan Bangalore., Mangalore Refinery Petro-chemical Limited (MRPL), India.

IOCL Product Pipeline Jamnagar Kandla Bhatinda Pipeline., Reliance Industry Limited (RIL), India.

CNPC Kenya Western Pipeline Capacity Enhancement Project. Kenya Petro Refinery Limited (KPRL), India.

**Role & Responsibility:**

1. **Offshore Pipeline Installation:**

Detailing of Offshore Pipeline Segment, Field layout drawings, Island Extension-Inception Report, Method Statement Preliminary Materials Quantities-Reclamation Fill, Primary Armor, Under layer / Secondary Armor, Bedding / Filter Layer, Geotextile ,Riser and Spools design drawings, Offshore skid Installation, Spool Installation with lifting capacity with crane calculation study.

1. **Structural / Civil :**

Civil and Structural Design Basis, Pre-Construction As-Laid and As-Built

Survey, Offshore Trenching and Backfilling, Detailing of offshore

structure general arrangement drawings like, FPSO

modules, Platform structure (Bridges, Skids, Manifolds, Jackets, Desks,

buoyancy tanks, Boat Loading Structures), Lifting Capacity with crane

study. Detailing of pipe-racks, pipe supports, pipe- sleepers. Reviewed

pipeline installation procedure with pipe-lay barge, stinger

arrangement, Dead Man anchor procedure.

1. **Offshore Design Document / Detailed Calculation Report :**

Basis of Design(BOD),Route Selection Studies, Coating Selection Studies,WT Design as per DNV 05 F101,Expansion Analysis, On Bottom Stability Studies as per DNV RP F109,Pipeline FREE Span Analysis as per DNV RP F 105,Cathodic Protection as pe DNV RP F 103,Crossing Analysis by CAESAR, pipeline crossing support design, On-bottom roughness analysis as per OFF-PIPE, Offshore Pipeline and Riser protection studies, Riser Flexibility Stress Analysis including VIV Studies, Riser Fatigue design studies as per DNV Code, Upheaval and Lateral Buckling as per ABAQUS FEM S/W , Offshore Pipeline and Platform approach drawing, Riser General Drawing, Anode details drawing.

* **Pipeline Site Construction Engineer, December 1993 – April 2001**

**Employer: Dodsal Pte Limited, Dubai**

GAIL HBJ Gas Pipeline Construction.(36-inch 450 km)

IOCL KBPL Product Pipeline. (24-inch 750 km)

GAIL HBJ Up gradation Project.(36-inch 175 km)

RIL Process Pipeline former IPCL Dhaej Gandhar Baroda Pipeline.(5 Pipelines &105 km)

ADNOC Gas Gathering Station Pipeline Project.

OMAN LNG SUR Project.(Oman First LNG Project)

PDO OMAN ATHEL Flow line Project.

BWSSB ,Bangalore Water Supply Sewerage.

**Role & Responsibility:**

Along with Flange pit connections, including Pig launcher and Pig Receiver and Hydro testing of Road Crossings and installation of GRE Pipe spools and Well head Hook up spools installation and erection.Review of Pipeline alignment sheets and for arranging separate plan for road crossing areas. Arrangement for Casing pipe welding and painting for Road crossing locations and Holiday testing after painting. Hydro test arrangement and witnessing for Road crossing areas. Review of Documents like method statements, company procedures, specifications and drawings related to wadi, Rdx roads, etc. Verification and final clearance for the RFI given by the contractor such as pipeline Laying, Holiday Test, Peel Test, Joint Coating & QA/QC Activity. Monitoring activities of VENT and DRAIN installation. Verification of factory and field bends is as per the Alignment drawings. Review of calibration certificate of Instrument .Witness and Monitoring of Pre- fabrication piping work such as a Vent & drain spool Various sizes As per GA & ISO Drawing. Review of Engineering Documents such as method statements for crossings, Review of Drawings for crossings including Rivers, canals, Railway crossings etc, and layout, Location of Anchor Blocks for valve installations, Pig- launchers and receivers. Monitoring of crossing Activities. Review of the method statement & Crossing Drawing Such as a Open cut & Thrust Boring Witness the Hydro tests on the pipeline works.Monitoring& activities of pre- fabrication for piping spool such as Pig Launcher& Receiver etc Witness& Final Clearance for the Bends such as Sag & over Bends as per Alignment Drawing Witness& Verification Of final clearance for the RFI given by the contractor such as open cut Method & Thrust Boring Road Crossing, and Holiday Test, Peel Test, Joint Coating. Preparation of the method statement for the project requirement, material takeoff as Per G.A drawing and isometric drawing.Prefabrication for the piping spool, pig launcher, pig receiver.Co-ordination with QC for welder qualification, procedure qualification as per project. Requirement stage wise inspection as per inspection test plan. Monitoring the welder performance and taking the necessary action. Tie-in of the new line with the existing line.• Self-performing in scheduled arrangement and planning material of the tie-in work. Stringing of the pipes by using side boom Erection of pig launcher& pig receiver Fit up and welding for FRONT END WELDING&BACK END WELDING. by using internal clamp Prefabrication of different kind of pipes spool for the B.V.S valves station piping (pig launcher, pig receiver) Material Take Off as per Project requirements. Material control, Traceability and documentation.Co-ordination with QC for Welder Qualification, Procedure Qualification as per project requirement, Stage wise inspection as per Inspection Test Plan. Co-coordinating with the inter department. Planning for the deployment of fitters & welders as per the project schedule. Co-ordination for NDT Clearance with QC Dept, before lowering for underground pipeline works. Monitoring the welder performance and taking necessary action. Performing the field coating of weld joints using Heat shrink sleeves. Co-coordinating for the painting, activities for aboveground Pipes as per Client Specification. Co-ordinating with the inter department such as (Purchase, Civil, Electrical & Instrumentation, QC, Safety) as per project requirements. Planning for the deployment of fitters & welders as per the project schedule. Co-ordination for NDT Clearance with QC Dept, before lowering for underground pipeline works. Monitoring the welder performance and taking necessary action. Performing the field coating of weld joints using Heat shrink sleeves. Co-coordinating for the painting, activities for aboveground Pipes as per Client Specification. Tie-in of the new line with the existing line. Lowering of underground pipe section after NDT clearance. Lesioning with inspection for S/B coating of wrapping clearance. As per general arrangements drawing produce isometric sketch (I.S.O) for fabrication purpose. Maintenance of tanks works, sandblasting, painting works. Maintenance of floating roof tank and hydro testing. Assisting of the QA/QC Engineer for production isometric sketches and distributing to the pipe fitter for fabrication purpose.

Supervised on the pipeline for wrapping and conduction holiday detection test. Controlling the labor of groups, and arranging the required equipment’s, machineries for the fabrication and erection works. Performing Hydro tests on the pipeline works and for storage tanks.

CORE SKILLS

* Pipelines, EPC, Pipeline Design, FEED, Detail Engineering, Piping, ASME, P&ID, Calculations, Engineering Design, Plot Plan, Onshore Operations, PMC, Inspection, Commissioning, LNG, OFFSHORE, Engineering Management.
* Basic design for LNG Receiving Terminal.- Jetty- LNG storage tank- Terminal equipment and facilities Preparation of ITB (Invitation to Bid) technical package for LNG Receiving Terminal EPC (Engineering / Procurement / Construction).

**Job Oriented Training Courses attended:**

* H2S Level 2 & BA Competency Training –ADNOC Gas

Processing

* Saudi Aramco – OIL & GAS SAFETY
* Workshop on “Pipeline Integrity & Corrosion management” by

Core-Tech., Gandhi Nagar.

* Workshop on “Corrosion and Corrosion Control in Pipelines,

Topside Facilities & Subsurface Equipment” by Indian Oil.

* Certification course on Advanced Fire Fighting by Institute of

Petroleum safety, health & Environment Management PDO,

Oman.

* Certification course on Advanced Lifesaving First Aid & CPR

from First Aid Training Institute. Jamnagar.

* Internal Auditor Training on Environmental Management

System as per ISO 14001:2004 by M/s DNV. Bangalore.

* Attended Training on “Route Surveys & pre project

Development activities by M/s Secon. India Pvt . Ltd. Noida.

* Civil Construction permit holder Oman LNG Project.