

RESUME

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Age & Date of Birth : 53 Years, 18-05-1965
Sex : Male
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Brief Summary:

More than Twenty eight years of diversified experience in the oil and gas production field, associated with offshore as well as onshore operations of ONGC. Experience of working in India's largest sour gas field in South Bassein in Mumbai Offshore as **process** engineer at BPA process platform. The job involved cooling ,dehydration and dispatch of natural gas via 36" trunkline to Hazira for further processing and onward transmission to GAIL. Involved in day to day well head operations of well head platforms BA & unmanned platform BD. Also worked as safety officer of sour gas platform involving all safety aspects of working in sour gas field. Involvement in crude processing, safety, environment, plant management, etc.. Strong background in operation with hands on experience in the field.

Experience of working in Corrosion and Scale Management Group of IOGPT providing solutions to different assets of onshore as well as offshore of ONGC regarding corrosion and scale treatment of tubings, downhole equipment ,pipelines and surface equipment. Hands on experience of MOC and scale treatment of offshore wells.

Member of Deepwater MDT in IOGPT formed to develop micro-specialist. Recently published IOGPT "**Technology report on metallurgy and scale related flow assurance for development of deepwater fields**".

Presently working with Inspection, Maintenance & Repairs (IMR) group of ONGC and involved with Recertification, repairs and Requalification of offshore jackets of ONGC in western offshore of India. For the first time in India 50 offshore jackets of ONGC have been

requalified and recertified. Carried out Life Extension of offshore jackets by member strengthening by grout filling technology.

Academic Qualification

- B.E. (Mechanical Engg.) 1988
University of Gorakhpur
U.P. India with First division
- MBA (Finance), Institute of Technology and Management, Kharghar, Navi Mumbai, Maharashtra, India with first division

Work Experience

Professional experience : Over 28 years in ONGC
Offshore : 13 years
Onshore-fields/Office/Institute: 15 years
Present designation : Dy General Manager (Production)

1. Offshore:

Four years experience of working in Production/Process operations in country's largest sour gas field at BPA sour gas process platform in South Bassein in Mumbai Offshore from 1990 to 1994. Presently working in Inspection, Maintenance & Repairs (IMR) section of ONGC, Mumbai since Jan'2011. ***Job includes requalification and recertification of offshore jackets, maintenance of offshore jackets, Cathodic Protection augmentation of offshore jackets***

A. Sour Gas Production and Processing :

- Conversant sour gas handling & processing. Sour gas processing involves cooling, two phase separators, dehydration in glycol contactors, glycol scrubber, produced water flash vessel, produced water conditioning system (PWC) for treatment of produced water consisting of sump caisson etc. The dehydrated gas is thereafter transferred to Hazira via 36" & 42 trunk lines for further treatment and onward transmission to GAIL.

B. Well Testing :

- Well conversant with wellhead operations like well testing in three phase separators and performance analysis, activation of ceased wells through separators at low pressures. RTU & Panel operations to open or close the surface and sub surface safety valves, safety checking of SSSV etc., platform safety precautions to be monitored, commissioning and flowing of newly produced wells.

C. Safety Procedures in sour field:

Well versed with working in sour gas field and safety procedures to be followed.

2. Onshore:

- Worked as Installation Manager of GGS-III of Rudrasagar field of Assam asset of ONGC.
- Well versed with OMR regulations and maintenance of ISO documents and auditing of oil installations.
- Interaction with DGMS for safety aspects of oil installations of Rudrasagar field of Assam Asset,ONGC,India

3. Planning & Monitoring of oil & gas production:

Earlier assignment at office included monitoring of inventory of drilled wells,workover operations,planning and monitoring of oil & gas production and value added products of offshore & onshore fields of ONGC.

4. Institute(Institute of Oil & Gas Production Technology,IOGPT):

- The responsibility includes:
 - Worked in IOGPT (ISO 9001 Certified) from 2008 to 2011 ,providing Project Engineering support related to corrosion and scale related problems of tubings,downhole equipment of wells ,pipelines,surface equipment of various onshore and offshore fields of ONGC and OVL.
 - Hands on experience of scale treatment of Mumbai High offshore wells for presence of strontium sulphate.
 - Member of Deepwater MDT in IOGPT to develop micro-level competency in all areas of deepwater field development.Assignment includes development of experience in“metallurgy and scale related flow assurance”.Recently published IOGPT “Technology report on metallurgy and scale related flow assurance for development of deepwater fields”.

5. Inspection, Maintenance & Repairs (IMR):

- Presently posted in Inspection, Maintenance& Repairs (IMR) section of ONGC,Mumbai since Jan'2011.
- Job involves Inspection, Maintenance& Repairs of around 222 offshore jackets of ONGC.
- Review of underwater inspection reports of Baseline Platform Inspection & Marine Growth Removal and Recertification of offshore jackets by TPI.
- Coordination with offshore vessels for underwater inspection of offshore jackets.
- Anodes installation.
- Requalification (Extension of life) of jackets which have overlived their design lives.
- Involved in Life extension of offshore jackets by member strengthening by grout filling technology.

Trainings attended

- One week training program on “Offshore Survival and Safety” at Mumbai.
- One week training on “Safety and environment management” at IPSHEM Goa.
- One week training in “Well Stimulation” at RTI Panvel
- One week training in “High pressure High temperature well testing” at Ahmedabad.
- Training on “Process order management” at Sivasagar, Assam
- Training on “Equipment Health and safety” at Sivasagar, Assam.
- One week training in “Advances in natural gas engineering” at ONGC Academy, Dehradun.
- Attended various national and international conferences like Petrotech and WPC (World Petroleum Congress) at Doha, Qatar in Dec’11.

Software proficiency

- PREDICT – Program for evaluation and Determination of Corrosion in Steels.
- SOCRATES - Selection of Corrosion Resistance alloys through environment specification.
- SCALECHEM- Program estimates scale formation under CO₂ and water flood conditions.

International Codes and Practices: Well versed in international codes and practices like API, ASTM, DNV etc.

Papers published

- “Material Challenges for prospective development of deepwater oil and gas fields – an Indian scenario” Oral presentation in World CORCON ’09 at Mumbai in 2009.
- Poster presentation on “Material Challenges in deepwater” in Prodcon’09 at Mumbai in June’2009.

Computer Awareness:

- Well versed in computer knowledge. Conversant with MS-Office tools and standard packages.

Raj Shekhar Mishra

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