

RESUME

Name	**:**	**Jai Devendra Bhaladhare**
Designation	:	**Senior Electrical Engineer**
Date of Birth	**:**	**11th Nov 1984**
Qualification	**:**	**Bachelor of Electrical Engineering (Mumbai University)**
Certification	**:**	**Certified Professional Engineer (PE) Grade- B registered Ministry of Municipality & Environment, Doha Qatar**
Key Skills	:	Develop, review & approval of FEED & Detail engineering deliverables i.e. HV & LV Single line diagram, Equipment Specifications & data sheets, load list, Enquiry, layouts, Technical bid evaluation, Selection of equipment for hazardous area classification. Vendor drawing review & approval of major electrical equipment i.e. UPS, HV/LV Switchboards, Distribution boards, RMU, Electrical heater, Water bath heater, Transformer, Cathodic protection system. Involved in preparation, review & approval of Cable schedule, design calculation i.e. Cable sizing calculation, Transformer sizing, Lighting calculation, Lightning protection and Earthing Calculation. Involved in preparation review & approval of Substation layout, Passive cooled shelter layout, Lighting, Cable trench/ tray, lightning, installation drawings, Earthing Layouts, HVAC layouts and Electrical MTO. Involved in preparation and review of deliverables for Solar system projects including design of solar arrays, sizing calculations, installation drawings, layouts and single line diagram of solar system. Basic knowledge on power system analysis and studies (load flow, short circuit and harmonics), relay coordination. Conversant with IEC / IEEE / SHELLDEP / NFPA / SP PDO standards/ Qatar Gas standards / Saudi Aramco standards
Computer Knowledge	**:**	**MS Office, Word, Power point, DIA-LUX software**
Nationality	**:**	**Indian**
Total experience	**:**	**15 Years (9 Years of GULF experience)**
Overview Experience	**:**	**FEED, Basic and Detail engineering of Oil & Gas, Polyester, Wastewater treatment, Refinery & Petrochemical Industries, Building services.** **PMC role job (3 Years) experience in Oman Gas Company, Muscat**



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EDUCATIONAL QUALIFICATION:

Bachelor of Electrical Engineering (Mumbai University)

Sardar Patel College of Engineering, Mumbai, India

Passed Out - MAY-2006

First Class (60%)

High School – Maharashtra Board

Nanaji Joshi Jr. College, Bhandara, Maharashtra, India

Distinction - 82%

S.S.C – CBSE BOARD

Kendriya Vidyalaya, Bhandara, Maharashtra, India

Distinction - 70%

PROFESSIONAL EXPERIENCE:

On Deputation to **OMAN GAS (Changed to OQ8)** Client company, Muscat
(SEP 2018 – PRESENT). Presently working as Lead Electrical Engineer (PMC role).

As an Engineer involved in following activities:

- Review & approval of FEED & detail design engineering deliverables.
- Review & approval of Vendor drawings review of major equipment's i.e UPS, HV/LV Switchboards, RMU, electrical heater, transformer & distribution boards.
- Assist with technical issues of improvements, site queries, troubleshooting or failure analysis as well as analysis of power system.
- Preparation of FEED deliverables and Scope of Work documents for FEED & DD.
- Design reviews, HAZOP, 3D model review, Site Visits and meeting with vendors/contractors/consultants.
- Involve in concept studies, cost estimation and feasibility study.
- Interface between PMC engineering group, Project Managers and the engineering teams includes interaction with all other disciplines as required
- Review of man-hours estimate.
- Review & approval of FAT & SAT procedures.
- Attending FAT of Electrical Equipment's.
- Standardization of specification for Electrical Equipment.



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❖ WORLEY, MUSCAT, OMAN — Feb 2017 - Present

As an Engineer was involved in following projects:

PROJECT-1: EPC of 36" AD DUQM GAS PIPELINE
CLIENT: OMAN GAS COMPANY
DURATION: FEB 2017 – OCT 2017

- Preparation of Electrical design basis and Load List
- Preparation of Passive cooled shelter equipment layout.
- Design calculation i.e. Earthing calculation, LV Cable sizing calculations, solar sizing calculation.
- Preparation of Single line diagrams.
- Preparation of Material requisition/ Enquiry for Solar system and Passive cooled shelter.
- Technical Bid evaluation of Solar system, Cathodic protection system & Passive cooled shelter.
- Preparation of Specification of Cathodic protection system.
- Review of Cable trench layout, Shelter layout & Earthing layout.
- Vendor drawing review of Passive Cooled Shelter, Solar system and Cathodic protection system.

PROJECT-2: SOHAR IBRI
CLIENT: OMAN GAS COMPANY
DURATION: OCT 2017 – AUG 2018

- Preparation of Load List & cable schedule.
- Design calculation i.e. Earthing calculation, LV Cable sizing calculation.
- Preparation of Passive cooled shelter equipment layout
- Preparation of 11 KV & 415V Single line diagrams.
- Preparation of Material requisition/Enquiry of 11 KV & 415V Switchboard, UPS, Electric heater, transformer and distribution boards.
- Involved in review of cable trench layout, control building, Lightning layout and Earthing layout
- Vendor drawing review of 11KV & LV Switchboard, UPS, Electric heater, Cathodic protection, Distribution boards and transformer.

PROJECT-3: ON DEPUTATION TO CLENT COMPANY, MUSCAT
CLIENT: OMAN GAS COMPANY
DURATION: APRIL 2018 – JUNE 2018

❖ CHEMTEX GLOBAL ENGINEERS PVT. LTD. MUMBAI — July 2006 –April 2010

As a Grade-1 Engineer was involved in following projects:

PROJECT-1: TEXTILE PLANT (POLYSTER PLANT)
CLIENT: RELIANCE INDUSTRIES, HAZIRA
DURATION: JULY 2006 – DEC 2006



- Preparation of Electrical design basis, cable schedule and Load List.
- Preparation of Motor Heater Schedule & Panel Schedule from P& ID.
- Preparation of Area classification drawings & Selection of Electrical Equipment in Hazardous Area.
- Preparation of cable tray sizing calculations and review of layouts.
- Design calculations i.e. HV & LV Cable sizing calculations, Lighting calculations.
- Preparation of Electrical Room/Substation Equipment layouts.
- Preparation of Single line diagrams & MTO.
- Preparation of Lighting and Power layouts.
- Technical Bid Analysis
- Preparation of Motor Data Sheet & Motor Control Schematics.
- Preparation of Technical Specification for Electrical Equipment's.
- Vendor documents review

PROJECT-2: MG1019, CELULLOSE ACETATE PLANT
CLIENT: SICHUAN PUSH ACETATI, CHINA
DURATION: MAY 2007 – AUG 2008

- Preparation of Electrical Load List, Motor Heater Schedule, Cable schedule & Panel Schedule from P&ID.
- Preparation of Area classification drawings & Selection of Electrical Equipment in Hazardous Area.
- Design calculations HV & LV Cable sizing calculations, Transformer sizing & Earthing calculation.
- Preparation of Single line diagrams, Electrical Room/Substation Equipment layouts.
- Review of Earthing layouts.
- Preparation of Motor Data Sheet & Motor Control Schematics.
- Preparation of MTO and Technical Specification for Electrical Equipment.
- Vendor drawing review

PROJECT-3: ON DEPUTATION TO ENGINEERING COMPANY, KANSAS CITY, USA
CLIENT: BURNS N MCDONNELL, USA
DURATION: MAY 2007 – AUG 2008

Worked on **Smart Plant Electrical Software for 2 months.**

PROJECT-4: ISP147 HPCL, MAHUL
Preparation of BOQ (MTO) & Cost Estimation for bidding purpose.

❖ TOYO ENGINEERING INDIA LTD. MUMBAI — May 2010-Sep 2012

As a Senior Assistant Engineer was involved in following projects:

PROJECT-1: 6274 C2, C3 TRUCK LOADING AREA, DAHEJ GUJRAT
- Preparation of lighting layout.
- Preparation of lighting and Receptacle circuiting.



PROJECT-2: 6220 ISOM, VADINAR GUJRAT
- Preparation of interconnection schedule.
- Preparation of lighting loop diagram.

PROPOSAL-1: 4695-SRU CPCL, MANALI, CHENNAI
PROPOSAL-2: 4703- KRIBHCO POWER PLANT, GUJRAT
PROPOSAL-3: 4706-CFG3 CHAMBAL FERTILIZER, RAJASTHAN
PROPOSAL-4: 4728- BASF, GUJRAT

- Cost Estimation
- Preparation of BOQ
- Enquiry Preparation.

PROJECT-3: 6282-TOTOTSU RARE EARTH EXTRACTION PLANT, VIZAQ A.P
- Involved in design calculations i.e. Transformer Sizing. Cable sizing, Earthing calculation, Lightning Protection calculation, Lighting calculation
- Preparation of Substation layouts, Lighting layouts.
- Preparation of cable schedule.
- Checking of Motor data sheets
- Inspection of VFD Panel.
- Inspection of LV Switchboard.

❖ QATAR KENTZ (Member of SNC Lavalin) DOHA, QATAR OCT 2012 - DEC 2016

As an Engineer was involved in following projects:

PROJECT-1: NORTHWEST UNCONVENTIONAL GAS DEVELOPMENT CONTRACT
CLIENT: SAUDI ARAMCO
DURATION: AUG 2016 – DEC 2016

- Preparation of specification and datasheet of 33KV cable, 33KV Switchgear, LV Cable, Cathodic protection, Dry type transformer, LV switchboard and Automatic Transfer Switch.
- Preparation of 33KV Single line diagram
- Cable sizing calculation, Technical Bid Evaluation of 33KV cables, LV Switchgear, Cathodic Protection System and 33KV switchgear and Automatic Transfer Switch.

PROJECT-2: EPICC FOR WASTEWATER RECYCLE AND REDUCTION PROJECT
CLIENT: QATAR GAS
DURATION: FEB 2015 – JULY 2016

- Preparation of Cable schedule.
- Preparation of Material requisition of LV switchboard, LV Cables, Cathodic protection, Bus duct.
- Technical Bid evaluation of LV Switchboard, Battery charger, LV cables, Bus duct, Variable frequency drive, Cathodic protection



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- Preparation of data sheet for Cathodic protection system, LV cables, UPS, LV switchboard, Bus duct.
- Vendor document review of LV Switchboards, Variable frequency drive, Cathodic protection system, LV cables

PROJECT-3: EPICC FOR WASTEWATER RECYCLE AND REDUCTION PROJECT
CLIENT: QATAR SHELL GTL
DURATION: FEB 2015 – JULY 2016

- Preparation of Cable schedule
- Cable sizing calculation.
- Lighting calculation by DIA-LUX software.
- Preparation of Electrical MTO & review of Lighting layouts, Earthing Layouts, Cable route layout.
- Preparation of Electrical MTO.
- Site survey
- Concept study

PROPOSAL-1: YEMEN S2 BLOCK
PROPOSAL-2: QATAR RAILWAY
PROPOSAL-2: QATAR PETROLEUM

- Preparation of Electrical MTO for cost estimation

PERSONAL DETAILS:

Name	**JAI DEVENDRA BHALADHARE**
Date of Birth	11th November, 1984
Marital Status	Married
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Email ID	Jaispce@gmail.com