

SISIR KUMAR SAHOO

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ASNT SNT –TC-1A
NDT LEVEL - II (RT, UT, VT, PT, MPT)

Presently I am working as a **QA/QC Engineer Mechanical (QC In charge)** in **MACAWBER BEEKAY PVT. LTD.** (Project:-EPC of Ash Handling Plant, 1 x 800 MW SDSTPS, Krishnapatnam, stage-II, Unit-III, APGENCO, Nellore, Andhrapradesh).

Career Summary

Industrial **Project QA/QC Engineer** with over **4.5 years** of experience in **Steel Structure & Piping fabrication erection, rotary & static equipment's erection of Steel plant & Power plant** having qualification **B. Tech** in Mechanical Engineering.

Career Highlights

- Experience in **managing project resources, work coordinating team, vendors & workers to maintain quality work at site.**
- Communicating deadlines and following-up with internal and external partners/vendors/clients to ensure on time completion of given task within budget
- Highly skilled in managing **weld works & estimation of welding length and cost** as per drawings.
- Good knowledge of **Fabrication drawing, GA drawing, P&ID drawing, civil assignment drawing, Piping layout.**
- Evaluation of **radiography films, witnessing ultrasonic test and dye penetrant test.**
- Inspection of **blasting & painting** of pipes, steel structure.
- Knowledge of **understanding data sheet of a material (i.e. Paint, Grouting material etc.) and Equipment (i.e. Valve, Pump, Motor, Compressor, Heater, Blower etc.)**
- **Alignment inspection** of steel structure, rotary equipment, static equipment.

Familiar with

- **Industry:-**
 - **Steel plant**-Steel Melting Shop (3 years' experience on structural fabrication, erection, painting).
 - **Power plant**-ACW & CW pipe system (6 months experience).
 - **Power plant**-EPC of Ash handling plant(9 months experience and still continue)
- **Welding process:-**
 - **SMAW** (E 7018,E 6013,E6010,E308L,E309L,E316L etc)
 - **GMAW/MIG/MAG** (ER70S-6)
 - **GTAW**(ER70S-2)
 - **Thermite welding** (Rail joint by material Aluminum dust & Iron oxide)
- **Materials:-**
 - MS, SS, CS, CI, ACI(IS: 2062, ASTM A53, ASTM312,ASTM216,ASTM351,ASTM352 etc)
 - Special steel (SAIL HARD, HARD DOX)

- **Standards & Codes:-**
 - **ASME** Section-II, Section-V
Section-VIII, Section-IX, ASME B31.1, B16.5.
 - **AWS** D1.1
 - **Swedish, NACE, SSPC, ASTM** (D2240), **ISO8501, ISO8504.**
 - **IS** standards
- **Non Destructive Test:-**
 - Radiography Test, Ultrasonic Test, Liquid penetrate Test, Visual test.
- **Blasting, Painting work & their test:-**
 - Inside coating of pipes(**Abrasive & compressed air dryness check, Atmospheric check, Blasting profile test, DFT, Holiday test, Pull off adhesion test, Shore D Hardness test**)
 - External painting of pipes, tank, structure.
 - Paint material(**Epoxy, Polyurethane, Synthetic enamel** etc)
- **Documentation:-**
 - Preparing **method statement, WPS, WPQR, FQP, QAP, Fit up & Weld visual inspection report, Protocol for modification work, Blasting & Painting inspection report.** Maintaining register for welder performance, Pre-weld & Post weld heat treatment, DPR of welding work.

Professional Experience

MACAWBER BEEKAY PVT LTD.

21th June 2018 to Present

QA/QC Engineer –Mechanical (QC In charge).

Location:- APGENCO, KRISHNAPATNAM, NELLORE, ANDHRAPRADESH.

Project description:-EPC of Ash Handling Plant of 1x800 MW power plant.

Responsibilities: - (Except QA/QC activities)

- Planning, managing & supervision of blasting painting work of total ash handling system according to erection vendor requirement. Maintains record of paint stock and consumption as well.
- Planning, managing & supervision of 730 MT steel structure fabrication work (Which includes 13 no storage tank).
- Maintaining DPR of total work and send the same to client & my HO.

Job Responsibilities:-

- Coordinating sub-contractor and client regarding quality issues.
- Maintaining and establishing all quality related documents i.e. **WPS, WPQR, WPQ, QAP, FQP, Method statement.**
- **Witnessing welder test, RT, LPT & painting inspection.**
- **Dimensional and visual inspection** of fabricated and erected structures & pipes.
- **Placement, welding, bolting & alignment inspection** of all equipment(i.e. **Pump, Motor, Coupling, Gear box, Heater, Transport air compressor, Instrument air compressor, Gate valve, Butterfly valve, Globe valve** etc), Fittings(i.e. **Elbow, Reducer, Strainer, Socket, Nipple** etc) & pipe lines as per approved **P&ID/GA/Layout drawing & schedule.**
- **Pre concrete & post concrete inspection** of foundations as per civil assignment drawing.
- **Witnessing & maintaining record of hydro test & leak test.**
- **Inspection of incoming material as per technical data sheet & batch test certificate.**
- **Preparation of IMIR & IMRC.**

SEW Infrastructure Ltd.

20th June 2015 to 14th June 2018

Project QA/QC Engineer –Mechanical.

Location:- NMDC Limited, Nagarnar, Chhattisgarh.

Project description:- Fabrication & erection of **39000 MT steel structure** including painting & sheeting of **Steel Melting Shop PKG-06** (Converter capacity 175 t x 2) of **3.0 MTPA NMDC Integrated Steel Plant**.

Personal achievements: - (Except QA/QC activities)

- **Successfully managed all work such as fabrication, assembly, erection, and alignment & conducting 100% RT and UT of all groove weld joint of Bulk material bunker system & Ferro material bunker system, which is around 1300 MT structure.**

Job Responsibilities:-

- Conduct **weekly Toolbox meeting with welders** and fitters to ensure that they fully understand project requirements
- Preparation of **WPS, PQR, Inspection report**.
- Conduct **welder qualification tests** for various positions & also conducting both destructive and nondestructive tests whichever required for welder qualification and approval of welder from third party inspection/client.
- Conduct all stage **wise inspection of fresh/repair/modification work** as per client approved **QAP/QCP/ITP** with client, owner & third party.
- **Supervision of welding works & evaluation of the welding joints through visual and NDT activities.**
- **Preparation of punch list & coordinate the vendor** to complete the same for further work.
- Conducting material **ground inspection, dimensional check** and preparing all inspection reports.
- Monitoring the **storage, baking & handling of welding consumables** in accordance with manufacturers approved procedure.
- **Final inspection** of works as **per design drawing**.
- Coordinate with classification surveyor, and owner's representative to carry out inspection.
- **Review and submission of final document** for approval.

Indfab Project pvt Ltd.

28th April 2012 to 10th September 2012

DET Piping QA/QC -Mechanical

Location:- LANCO BABABNDHA POWER LTD, Dhenkanal.

Project description:- Fabrication & erection of ACW, CW duct system of **LANCO Babandha Power Limited** (2X660 MW).

Job Responsibilities:-

- **Supervision of welders** and welding works.
- Coordinating with client for **fit up, weld visual & liquid penetrant inspection**.
- Maintaining **DPR of welding** works.
- **Manpower handling & shifting of pipes** from fabrication yard to erection site.

Academic Credentials

- **B. Tech in Mechanical Engineering** from BPUT, Odisha.
College:-Adarsha college of Engineering, Angul, Odisha.
Year of Passing:- 2015, CGPA: - 7.38
- **Diploma in Mechanical Engineering** from SCTE &VT, Odisha.
College:-Orissa institute of Engineering & Technology, Dhenkanal, Odisha.
Year of Passing: - 2012, Percentage: - 76.54 %

- **Matriculation:** - BSE, Odisha. Year of Passing:-2009, Percentage:-64.66 %
- **Computer Skills:-**AUTO CAD, MS Office.

- **Professional Certification**
ASNT LEVEL-II (RT, UT, LPT, VT, MPT)

Personal Interests/Hobbies

- Cocking, Self-fitness, Photography, Traveling.

Strength

- Dedicated & Hard working, Good interpersonal communication skill.
- Convert weak points to strong point, Believe in planning & execution, Intense to detail.

Personal Detail

Date of birth : 21/06/1994
Father's name : Rabindra sahuo
Mother's name : Sukanti sahuo
Gender : Male
Nationality : Indian
Marital status : Unmarried
Mother tongue : Oriya
Religion : Hindu
Language known: Oriya, English, Hindi

Declaration:-

I do hereby declare that the particulars furnished above are true & correct to the best of my knowledge and belief.

Place:-

Date:-

Signature of Applicant.