



MUHAMMAD KHALID

METALLURGICAL ENGINEER

PEC Reg. No: - METAL / 1561

OBJECTIVE :

Metallurgical Engineer professional with a strong technical and quality background, Seeking a challenging position with a progressive company that would utilize my educational background and work experiences in a mutually beneficial manner. I am looking for a position as a metallurgist, quality professional, or in manufacturing management or construction Industries.

PROFESSIONAL SUMMARY

Having approximately 23 years of experience.

08 years of experience in metallurgy and material engineering. Detail-oriented with a strong educational background in Metallurgical Engineering, supported by professional work experience in Foundry, Steel Making, Heat Treatment, Processing and Material Engineering.

15 years experience in construction industries i.e., Mechanical Work (fabrication, erection and installation of steel structure as per fabrication & PNI drawing) and high voltage transmission lines (Construction of Foundations, Installation of Towers, Stringing of Conductor & earth wire and Commissioning of 132KV & 500KV Transmission Lines).

WORK HISTORY

• ICC (PVT.) LTD.

Construction Engineer

(From June 2008 to Till Date)

Worked on the following projects:

A. Transmission Lines Projects.

1. National Transmission & Dispatch Company (NTDC)

Contract No. TLC-14-2020 (Lot-I)

Civil Works, Erection, Stringing, Testing & Commissioning of 500kv Double Circuit Quad Bundle Transmission Line From SECL Coal Power Plant In Thar Block-I To Matiari Converter Station Lot-I (86km).

2. Gujranwala Electric Power Company (GEPCO)

Contract No. ADB-2727-GEPCO-06

Procurement of Plat, Design, Supply and Installation of 05 Nos. 132KV T/Lines (127KM) Different Circuits in GEPCO Area.

3. Faisalabad Electric Supply Company (FESCO)

Contract No.: ADB-TRANCHE-III-FESCO-04-2013

Procurement of Design, Supply and Installation of One (01) NO. 132 KV Double Circuit Transmission Line on Turnkey Basis From 220 KV T. T. Singh Grid Station to 132 KV H. B. Shah Grid Station Under ADB Loan No. 2972-PAK

My responsibilities on the above projects are as,

- ✓ Monitor and control the Site activities "Soil investigation, Construction of Foundations, Installation of Towers, Stringing of conductor & Earth wire and Commissioning of 132KV Transmission Lines" and also coordinate with local Subcontractors.
- ✓ Follow-up approvals of related civil work, Technical Data and Drawings, maintain monthly progress & resource plan and also prepare revised change order & Time Extension case as per actual and submitted to the competent authority for approval.
- ✓ Coordinate with Head Office, Employer and Subcontractors to fulfill the

CONTACT

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📍 Postal Address:-

H. No.693, Block-O, Ghouse Garden Phase-4, Umer Khan Road, Near Rizwan Garden & Jallo Park, Lahore.

Permanent Address:-

Muhammad Khalid C/O Maqbool Ahmed, Chak # 202 / R-B, Gatti East (School Walli), Chak Jhumrah Road, Near Faisalabad Dry port, Faisalabad.

PERSONAL DETAILS

Father Name	: Maqbool Ahmed
Date of Birth	: January 11, 1976
Gender	: Male
N.I.C. No.	: 33100-0578811-7
Marital Status	: Married
Religion	: Islam
Domicile	: Faisalabad
Nationality	: Pakistani

SKILLS

- ✓ Innovation
- ✓ Commercial Awareness
- ✓ Good Communication, Problem Analyzing and Solving Skills
- ✓ Team-working Skills
- ✓ Leadership skills
- ✓ Management Skills
- ✓ Responsibility Skills
- ✓ Staff training/development
- ✓ Strong in Fundamentals with industrial experience
- ✓ Computer Skills (Word, Excel, Power Point)
- ✓ Judgment and Decision Making
- ✓ Detailed understanding and knowledge of international standards e.g. ASTM, JIS, ANSI,

requirement of the project.

- ✓ Preparation of monthly measurement sheets & Invoices and follow-up for the same from the client.
- ✓ To implement ISO9001:2008 at the site and fulfill the other's requirements of the project.

4. Work on Tender Documents.

- ✓ Evaluation of tender documents, Preparing inquiries for required materials and sending them to Suppliers, Technical assessment of offered materials, Preparing technical data according to tender requirements & Correspondence with suppliers of materials and Preparation & Submission of Bid (Technical Volume) as per bidding Documents.
- ✓ Preparing queries for suppliers and collecting missing/required documents for Clients / Consultants.
- ✓ Preparing confirmation letters related to queries and send to Consultants (NESPAK & BURQAB).

B. Mechanical Projects.

(From June 2008 to June 2010)

Worked on the following projects:

1. Rupafil Limited Lahore

Contract No.:- RFL/RCFPP/RN/L/ 01

Contract for Electro-Mechanical Installation and Erection of 6.8 MW Coal Fired Power Plant (RCFPP) at Rupafil Site, Shiekhpura-Sharqpur Road, Sheikhupura.

2. Tuwarqi Steel Mill Limited (TSML) Project Post Qasim Karachi.

Worked as a Divisional Engineer and My responsibilities are as;

DRI Reformer and Heat recovery unit;

- ✓ Control activities of Fabrication, welding and Erection of Steel structure (Columns, Beams, and Girders etc), Steel duct, Steel casing, Piping Work (Auxiliary Air, Natural Gas, Top Gas, Dilution Air, Combustion Air & Filtered Water Supply Lines Piping, etc.) as per specification and Installation of Equipments (Burners, Reformer Tubes, Flexible Hoses, Expansion Bellows etc).
- ✓ Carrying out & arranged the welding as per the approved test plan like Destructive e.g., Tensile test, Hardness test etc and Non-Destructive testing e.g., DPT, Radiography, Hydro testing etc. as per standard.

3. MAPAK OIL REFINERY Project Port Qasim Karachi

- ✓ Fabrication and Erection of SS 304, SS 316, C.S & G.I. Piping and Insulation & Cladding of Pipe and Equipments as per specification.
- ✓ Monitor and Control the Site Activities.
- ✓ Sand Blasting and Painting of Pipe according to code.

• Karachi Shipyard & Engineering Works (KS&EW) Limited.

Assistant Superintend (ASP) foundries

(From October 28, 2002, to August 20, 2008)

I have worked Assistant Superintend (ASP) foundries and also performed duties as an Acting Manager last six months of my service from February 2008 to August 2008. My responsibilities in different departments are as:

Steel Melting Shop

- ✓ Melting of Steel and its alloys in an Electric Arc Furnace (EAF) and cast into different parts for cement and sugar industries.
- ✓ Overhauling of Electric Arc Furnace.
- ✓ Heat Treatment of Steel and Special Steel Alloys e.g., Annealing, Normalizing, Water Quenching and Oil Quenching Processes.

CERTIFICATIONS

- ✓ 18-week course in English Typewriting held in June 1995.
- ✓ Certificate of Participation For one day Training Course on "Awareness Session on Transforming from ISO 9001:2008 to ISO 9001:2015" held on 11th October 2019.

INPLANT TRAINING

- **Pakistan Steel Mill Karachi, Pakistan (1993 to 1996)**
 - ✓ Training in Iron Making Plant (Blast Furnace)
 - ✓ Training in Steel Making Plant (LD Converter).
 - ✓ CCM Plant
 - ✓ Hot Rolling Mill
 - ✓ Cold Rolling Mill
 - ✓ Foundry
 - ✓ Refractory Fabrication Shop
 - ✓ Lime Calcinations Shop
 - ✓ Metallurgical Lab. (Central Lab.)
 - ✓ Refractory's making Plant
- **Karachi Shipyard & Engineering Works Ltd. Pakistan. (Jun 2000)**
 - ✓ Foundries (Steel Making Shop, Iron Making Shop & Non Ferrous Foundry)
 - ✓ Pattern making Shop
 - ✓ Metallurgical Lab.
 - ✓ Machine Shop
 - ✓ BD Department
 - ✓ Quality Control Department

INDUSTRIAL VISITS

- ✓ Pakistan Steel Mill Karachi
- ✓ Karachi Shipyard & Engineering Works (KS&EW) Ltd. Karachi
- ✓ People Steel mill Karachi Tuwarqi Steel Mill Karachi
- ✓ All Win Engineering (Foundry) Karachi
- ✓ Quadri Foundry Lahore
- ✓ Chenab Engineering Faisalabad
- ✓ Medina Steel Mill Faisalabad

Cast Iron Melt Shop

- ✓ Melting of Cast Iron in Induction Furnace & Cupola Furnace e.g. SG Iron, Phosphoric Cast Iron, Special Nickel & Chromium alloy for KANUP, Casting of special cast iron for pressing rollers for HMC, Ingot Mould Casting for PSML, Gray Cast Iron and Sugar Rollers casting for sugar industries.

Non-Ferrous Melt Shop

- ✓ Melting of Non-Ferrous Metal, Brass & its alloys and Bronze & its alloys in Crucible Furnace for shipbuilding department and local industries.

Shipyard Institute of Technology (SIT)

- ✓ Deliver Lecture to Diplomas Classes of Mechanical and Ship Construction technology in the following subjects are
 - Foundry and Metallurgy
 - Welding Technology
 - Chemistry

Other Activities in Foundries at KSEW

- ✓ Prepared calculations and instructions for melting processes.
- ✓ Provided melting, casting and molding technical support for supervisors and operators during daily activities.
- ✓ Initiated developing and implementing process and technique improvements for reducing production costs and raising product quality.
- ✓ Prepared manufacturing procedures for new parts, modeling, molding, casting, welding and finishing concerning Quality and economic concerns.
- ✓ Controlled quality of all casting products via laboratory tests (Metallographic and Mechanical).
- ✓ Implemented new tested and qualified methods for preventing impurities in casting parts such as additives and filtering.
- ✓ Planning & Scheduling of Foundry-Related Jobs.
- ✓ Planning and Maintaining the Store Activities.
- ✓ Prepare the Data Sheets & Flow Charts of the Job Executed.
- ✓ Planning and Handling Store Material for Foundry (Pig Iron, Hard coke, Lime & Ferro Alloys etc.).
- ✓ Different types of Patterns of different materials are manufactured in Pattern Shop under my Supervision.
- ✓ Control the activities of Pattern Making Shop, Cast Iron Foundry, Steel Foundry and Non-ferrous Foundry in KS&EW Limited.
- ✓ Manufacturing of Cement and Sugar Plant and Casting of Spare Parts of Cement Plant and Sugar Plants.
- ✓ Provided technical support for Casting parts shot blasting, Sand Blasting and finishing processes.
- ✓ Controlled Quality of raw material used in casting and molding.

- **Chenab Engineering Works & Foundries (Pvt.) Ltd**
Melting Engineer

(July 01, 2001, to September 30, 2002)

- ✓ Melting of Cast Iron in Induction Furnace and Cupola Furnace
- ✓ Melting of Steel in Electric Arc Furnace.
- ✓ Preparation of Heat Treatment Cycle for Grey Cast Iron, S.G. Iron and Alloy Steel.
- ✓ Chemical Analysis of Running Sample of Molten Metal.

- **Chenab Engineering Works & Foundries (Pvt.) Ltd**
Lab. Attendant

(June 01, 1996, to May 01, 1997)

- ✓ Melting of Cast Iron in Induction and Cupola Furnace.
- ✓ Chemical Analysis of Metal.
- ✓ Heat treatment of Steel, especially, Annealing, Normalizing, Air Quenching and Oil Quenching Processes.
- ✓ Chemical Analysis of Running Sample of Molten Metal.

EDUCATION

- **E-MBA** 2005 – 2006
Marketing,
3.4 CGPA

Preston Institute of
Management Science and
Technology (PIMSAT),
Karachi.

- **B.SC.** 1997 – 2002
ENGINEERING

**Metallurgical Engineering
and Material Science**
1st Division, 65.2% Marks.

University of Engineering
and Technology (U.E.T)
Lahore.

- **D.A.E** 1993 – 1996
Metallurgy,
1st Division, 72.41% Marks.

Metallurgical Training Centre
(M.C.T), Pakistan Steel
Karachi.

- **MATRIC** 1988 – 1990
Science Subject
2nd Division, 61.05% Marks.

Govt. Islamia High School
Gatti, Faisalabad.