

# HARIS AHMED SIDHU

Mechanical Engineer



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## Objective

To hold firm career in an august organization to achieve maximum benefits for its stakeholders being a self-motivated Mechanical Engineer possessing technical knowledge and practical experience in Pipeline construction, HVAC planning and estimation using compatible problem-solving techniques, softwares and decision-making abilities.

## Professional Experience (1-Year)

- ♦ **Present employee as Engineer (Projects) in Sui Northern Gas Pipelines Limited (SNGPL)**
  1. Supervision of Testing and Commissioning of various diameter gas pipelines.
  2. Supervision of Stringing, Welding, Joint Sleeving and laying of gas pipelines.
  3. Deployment of equipment and machinery, i.e. welding plant, crane mounted trucks, crawler cranes, excavators and pipe layers, for specific purpose of gas pipelines construction.
  4. Material indenting, collection, issuing and reconciliation.
  5. Preparation and estimation of tenders, collection and evaluation of bids and awarding contracts.
- ♦ **Sui Northern Gas Pipelines Limited (SNGPL)**  
6-weeks practical training - Internship in construction of **200MMCFD SMS Cum CMS** for **RLNG** based **1180MW Bhikki Power Plant**.
- ♦ **American Society of Mechanical Engineers (ASME)**  
4-weeks training of **ANSYS CFD** program basics using the **Design Modular ICEM CFD** and **Fluent**.
- ♦ **National Engineering Services Pakistan (NESPAK)**  
4-weeks training of **Heating and Cooling Load calculations** and **Ducting** for various kind of buildings

## Final Year Project

### Design and Analysis of Vertical Axis Water Turbines (VAWTs)

A research based project consisting of modeling of VAWTs and their Computational Fluid Dynamic analysis at a specific velocity and by varying their Tip Speed Ratios.

## Education

Qualification	Institution	Duration
B.Sc. Engineering Mechanical	Air University Islamabad	2013—2017
F.Sc. Pre-Engineering	Govt. Islamia College Civil Lines, Lahore	2010—2013
Matric (Phy, Chem, Math & Comp)	New Cantt Public High School Lahore	2008—2010

## Computer Skills

- |                                   |                  |
|-----------------------------------|------------------|
| • AutoCAD (2D and 3D)             | • MS-Word        |
| • Solidworks (2D and 3D)          | • MS-Power Point |
| • Ansys (CFD using DM and Fluent) | • MS-Excel       |
| • Tecplot                         | • MS-Publisher   |
| • GAMBIT                          |                  |

## Personal Information

Nationality: Pakistani  
CNIC # 35201-9128123-3

Date of Birth: Jan 16, 1994  
Religion: Islam