



# ANNEXURE-A2

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Principal Engineer (Mechanical)

**Naveed Abrar**

Brief details of Mr. Naveed Abrar Education, Achievements and Various projects are as follows:

## 1-CONTACT INFORMATION

ADDRESS	C-210 Block-14 Gulistan-e-Jauhar Karachi-75290
CONTACT CELL NO.	0333-2338493
E-MAIL ADDRESS	<a href="mailto:naveed_abrar@hotmail.com">naveed_abrar@hotmail.com</a> (Priority) <a href="mailto:naveedabrar@aplusengineers.com">naveedabrar@aplusengineers.com</a>

## 2- ACADAMICS

B.E Mechanical (2000) 1<sup>st</sup> Division, 69% from NED University of Engineering & Technology, Karachi.

## 3- MEMBERSHIP IN PROFESSIONAL SOCIETIES

Enlisted as Professional Engineer from Pakistan Engineering Council, PEC, No: Mech./15365

## 5- SHORT STUDY COURSE

Having a certificate on Internal Auditing Course, conduct by Algorhythm Consulting Company.

## 6- EMPLOYMENT RECORD

<b>6.1</b>	<b>From/To</b>	<b>November 2014 Till date</b>
	<b>Employer</b>	A+ Engineers MEP Consultants
	<b>Position in the Company</b>	<b>Principal Engineer (Mechanical)</b> from November 2014 to Till date
	<b>Description of Firm</b>	Engineering consultancy for building services and cogeneration system design

**Duties/Responsibilities as a  
Principal Engineer/ Head  
of Profit Center**

Planning & management of Profit Center. Checking of design of all kinds of mechanical building services, such as HVAC, plumbing, fire protection, cogeneration, water purification, clean rooms, etc. as Principal Engineer. Managing design team for preparation of conditions of contract, technical specifications, bills of quantities, equipment schedules, drawings and other design documentation. Interaction with client, negotiations, QA/QC implementation procedures for site supervision, building commissioning, trouble shooting, and certification of completion.

<b>6.2</b>	<b>From/To</b>	<b>May 2006 to October 2014</b>
	<b>Employer</b>	A. Saadat & Co. Consulting Engineer
	<b>Position Held</b>	<b>Senior Design and Project Engineer.</b>
	<b>Description of Firm</b>	Engineering consultancy for building services and cogeneration system design
	<b>Duties/Responsibilities</b>	Working experience of Load Calculation by using software, Selection of Air-conditioning Equipment, Duct Designing, Water Pipe Sizing, Mechanical System and Pipes Sizing, Rain Water System, Plumbing System, Preparation of Tender Drawings and Documents
<b>6.3</b>	<b>From/To</b>	<b>February 14, 2005 to May 20, 2006</b>
	<b>Employer</b>	Habib Bank Limited
	<b>Position in the Company</b>	<b>HVAC/Project Engineer</b>
	<b>Description of Firm</b>	Engineering and Maintenance Division
	<b>Duties/Responsibilities</b>	Responsible for installation works of 2 No. DGF Chillers (1470TR) and 17No. Floors standardization works. Also responsible to look after existing HVAC system in Plaza

and HVAC projects running in all over Habib Bank Branches in Pakistan.

<b>6.4</b>	<b>From/To</b>	<b>October 25, 2001 to February 12, 2005</b>
	<b>Employer</b>	A. Saadat & Co. Consulting Engineer
	<b>Position in the Company</b>	<b>Design Engineer.</b>
	<b>Description of Firm</b>	Engineering consultancy for building services and cogeneration system design

## **7- COMPUTER & SOFTWARE CAPABILITY**

### A) Carrier HVAC Design Software

- **Hourly Analysis Program (HAP)** for cooling load estimation
- Duct Design Program
- Water Piping Design Program
- Refrigerant Piping Design Program

### **B) Auto-CAD 2007**

### **C) MS-Office including complete command on MS-Project**

## **8- WORKS UNDERTAKEN THAT BEST ILLUSTRATES CAPABILITY TO HANDLE VARIOUS TYPES OF PROJECTS.**

### **Details of Projects Undertaken during job tenure from June 1996 to February 2012**

1. Designed Sterile Facility in Non-Lactam Block at GlaxoSmithKline Pakistan Ltd., Korangi Factory, Karachi.
2. Designed Airconditioning and Mechanical System for Liquid Manufacturing Facility in Abbott Korangi Factory, Karachi.
3. Designed Airconditioning and Mechanical System for Calcium Suite & Red Area and Extension of Central Plant Room in Novartis Pharma Jamshoro Factory.
4. Designed 500 TR Capacity Airconditioning and Mechanical Systems for Lactam Building Extension at GlaxoSmithKline Pakistan Ltd., Korangi Factory, Karachi.
5. Designed 800 TR Capacity Airconditioning and Mechanical Systems for Biotech and General Pharma Building at Sami Pharmaceuticals Pvt. Ltd., S.I.T.E. Factory, Karachi.
6. Designed 320 TR Capacity Airconditioning and Mechanical Systems for New Solids Block at Novartis Pharma Pakistan Ltd., Jamshoro Factory.
7. Designed Central Airconditioning system for 5 Storey Building “School Of Science” at Lahore University of Management and Science (LUMS), Lahore.
8. Designed Central Airconditioning System for Different Substations and Office Buildings for Fatima Fertilizer Co. Ltd., Rahim Yar Khan.
9. Designed Airconditioning system for General Canteen, Different Production Areas and renovation of Central Plant Room at GlaxoSmithKline Pakistan Ltd., SITE Karachi.
10. Designed Airconditioning, Plumbing, Mechanical Systems for Bio Factory and Head Office for BF Bio Sciences, Raiwind.
11. Designed Airconditioning and Mechanical Systems for Biotech Pharma Factory at Nextar Pharmaceutical Pvt. Ltd., Bin Qasim Karachi.
12. Designed different Production Areas of Sanofi Aventis, Platinum Pharmaceutical Pvt Ltd., Barret Houdgson and Hilton Pharma.
13. Designed 300 TR Central Plant and Air-conditioning System for Production Block at CCL Pvt. Ltd., Lahore.
14. Designed 400 TR Central Air-conditioning System for Liquids Block and Iodex Plant at GlaxoSmithKline Pakistan Ltd., SITE Karachi.
15. Designed 300 TR capacity Plant and Air-conditioning and Mechanical Systems for Penicillin Block at GlaxoSmithKline Pakistan Ltd., Karachi.

- 16.** Designed Air-conditioning System for Spansules Area and Consumer Health Care Facility at GlaxoSmithKline Pakistan., West Wharf.
- 17.** Designed different Production Areas (Blister, Capsules, Granulation and Packaging Area) of Remington Pharmaceutical Ltd, Ali Gohar Pharmaceutical Ltd., Novartis Pharma, Platimun Pharma, Barret Houdgson and Amson Vaccines.
- 18.** Designed 35 TR Central Air-conditioning System for Production Block of Consolidated Chemical Laboratories (CCL) Pakistan Ltd., Lahore.
- 19.** Designed AC System with Packaged Air conditioners for Khursheed Mahal, Chinese Restaurant, Deutsche Bank and American Airline in Avari Hotels Karachi.
- 20.** Designed AC System with Packaged Air conditioners for Uni Lever Pakistan Ltd., Head Office at Avari Plaza.
- 21.** Renovated Air-conditioning System for different floors of National Bank of Pakistan, Head Office Karachi.