



TBA MANAGEMENT SERVICES

EXPERT IN HVAC & MECHANICAL

COMPANY PROFILE

Web: www.tba.com.pk



INTRODUCTION

TBA Management Services Est. have been a pioneer in the industry of HVAC and Mechanical Systems since the establishment in 1986. With more than 35 years of specialization, we specialize in installation, commissioning and testing of HVAC systems, including thermal mapping, fire protection, and plumbing solutions.

Our success is made on a dedicated team of experienced professionals who have specialized in Testing, Adjustment and Balancing (TAB) since the start of their careers. With wide knowledge of ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers) procedural standards, our experts ensure accurate Testing, Adjustment & Balancing (TAB) of HVAC systems is the art of ensuring that the systems are operating optimally.

TBA distinguishes itself by offering a full range of advanced services using instruments, including airflow, sound, vibration, water flow and electrical energy measuring equipment. These state -of -the -art equipment aligned with ASHRAE's industry standards enable the accurate measurement and control of environmental systems, ensuring the highest level of accuracy.

Beyond testing and balance, TBA expands its expertise for installation and commissioning, which provides end-to-end solutions for customers in residential, commercial and industrial areas. Our proactive approach and commitment to quality make us a trusted partner in optimizing environmental systems, delivering globally recognized services that uphold the highest industry standards.



TBA Management Services Engineers . Contractors
Testing Balancing & Adjusting HVAC Systems

1. Company Name : TBA Management Services
2. Address : Office No # 212, 2nd Floor, Anum Trade Centre,
Ghani Chowrangi, S.I.T.E. Karachi
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ayazz.ali.khan@gmail.com
jahanzaib.tba@gmail.com
aa.khan94@hotmail.com
6. Website : www.tba.com.pk
7. Name of Bank : Bank Islami Pakistan LTD.
8. Company Account No (IBAN No) : PK22BKIP0100139300760001

Heating . Ventilation . Air Conditioning . Refrigeration . Mechanical . Electrical



OUR MISSION:

TBA Management Services mission is to ensure a healthy and clean building environment through a professional and methodological approach in Testing, Commissioning, Adjusting, and Balancing of HVAC Systems. We are dedicated to guaranteeing the correct final operation of HVAC systems, enhancing energy efficiency, and improving space comfort levels. Our commitment to excellence ensures customer satisfaction, and we provide high-quality Testing and Commissioning services across diverse sectors, including Hospitals, Educational, Commercial, Residential High-rise, and Industrial buildings, aiming to create optimal and sustainable indoor environments.

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OUR VISION:

TBA Management Services vision is to pioneer Energy Management and Indoor Air Quality. Through ASHRAE-specified procedural Testing, Balancing & Adjustment, we aim to deliver optimal energy-saving solutions and elevate indoor air quality for our clients. Furthermore, we are dedicated to assisting our clients in creating contamination-controlled environments through the innovative technologies and advanced equipment, embodying our dedication to setting new standards in environmental excellence.

Heating . Ventilation . Air Conditioning . Refrigeration . Mechanical . Electrical



PRINCIPAL ACTIVITIES

1. Installation of Mechanical System

1. Installation of HVAC equipment (AHUs, FCUs, fans, chillers, pumps)
2. Ductwork and piping installation for chilled water and condenser water systems
3. Fire protection and plumbing system installation
4. Technical submittal reviews and site-specific commissioning methods
5. MEP installation monitoring and reporting
6. Pre-commissioning and commissioning witness and validation

2. HVAC Testing, Adjusting and Balancing Services

1. Low and high-velocity air system testing
2. Constant and variable air volume (CAV & VAV) system testing
3. Specialist exhaust air systems (kitchen hood/smoke)
4. Staircase/lift/lobby pressurization system testing
5. Pharmaceutical HVAC testing (pressurization, clean room, air pattern, air quality)
6. HEPA filter integrity testing (DOP test)
7. Duct air leak testing and duct cleaning

Heating . Ventilation . Air Conditioning . Refrigeration . Mechanical . Electrical



3. Commissioning Verification Services

1. Commissionability studies
2. Review of commissioning programs and methods
3. Witnessing commissioning of mechanical systems (HVAC & fire protection)

4. Retro commissioning

1. Conducting surveys and troubleshooting for existing building services
2. Identifying peak efficiency losses or control issues due to insufficient maintenance or system modifications
3. Environmental condition assessments
4. Mechanical, electrical, and thermal imagery analysis



CEO & DIRECTORS

Ayaz Ali Khan *M. Tech. (Mechanical)*
(CEO)



Life member of Pakistan
HVACR Society

ENGINEERING STAFF

Asad Ali Khan *B. Tech. Mechanical*
(Director Engineering)



Jahanzaib Ali Khan *B.E Mechatronics*
(Admin Manager)



Arbaaz Ali Khan *B. Tech. (Hons.) Mechanical*
(Project Manager)



Fazahat Ali *B. Tech. (Hons.) Mechanical*
(Project Manager)





FINANCE & ADMINISTRATIVE DEPARTMENT

Jahanzaib Ali Khan

B.E Mechatronics

(Finance Manager)



TARIQ

DAE in Mechanical

(Bookkeeper)

Maaz Ali Khan

Bachelors in software engineering

(IT Manager)

Muhammad Noman

Bachelors in software engineering

(Accountant)

Adnan Nawaz

Advance Diploma in Software Engineering

(System Administrator)



MARKETING TEAM

Muhammad Anas *Bachelor of Business Administration*
(Marketing Manager)

Muhammad Ali *Bachelor of Science*
(Content Creation)

Talha Satti *Bachelors in software engineering*
(Digital Marketing)

RESEARCH & DEVELOPMENT (R&D) TEAM

Jahanzaib Ali Khan *B.E Mechatronics*
(Research Scientist)



Muhamad Ali *Bachelors in engineering*
(Research Analyst)



PROFESSIONAL SERVICES PERFORMED

- Air Balancing
- Water Balancing
- Sound Analysis
- Clean room performance Testing
- Fume Hood Test
- Indoor Air Quality Analysis
- Integrity test of HEPA Filters
- Particle Count Testing
- Testing of Air pattern, Air change Rate
- Testing of pressurization of clean rooms
- Humidifier Performance Test
- Dehumidifier Performance Test
- Duct Leakage Test
- Duct Traverse Test
- Fan Performance Test
- VAV'S & CVE'S Performance Test
- Heat Exchange Performance Test
- Pump Performance Test
- Balancing Valve Adjustment
- Filter Performance Test
- Cooling Performance Test for AHU and FCU etc.
- Chiller Performance Test
- Cooling tower Performance Test
- Building System Monitoring & Commissioning
- Ultrasonic testing
- Thermal Mapping



Key Instruments List

NAME		MAKE	MODEL	RANGE	
Anemometer	Air Velocity & Air Volume	Air Flow (U.K)	LCA 30 VA	0 ~ 6000	FPM
				0 ~ 30	m/s
				0 ~ 99,999	CFM
Anemometer	Air Velocity & Air Volume	Air Flow (U.K)	LCA 6000	0 ~ 6000	FPM
				0 ~ 30	m/s
				0 ~ 99,999	CFM
Thermal Anemometer	Air Velocity & Air Volume	Air Flow (U.K)	TA 45	0 ~ 6000	FPM
				0 ~ 99,999	CFM
				0 ~ 80	°C
Micro Manometer	Air Velocity & Pressure	Air Flow (U.K)	APM 100	550 ~ 15000	FPM
				000 ~ 14	In. Wg
				000 ~ 3400	Pa
Manometer	Air Velocity & Pressure	Air Flow (U.K)	EDM 2500	500 ~ 5500	FPM
				000 ~ 10	In. Wg
Micro manometer	Air Velocity & Pressure	Air Flow (U.K)	PVM 620	250 ~ 15500	Ft/min
Barometer (Air Volume)	Air Volume	Alnoor(U.S.A)	APM 150	50 ~ 2000	CFM
		TSI (U.S.A)	PH 721	20 ~ 1200	CMH
Micro Manometer	Hydronic Pressure & Volume	Dyer (U.S.A)	490	0 ~ 30 0 ~ 2.07 0 ~ 200	PSI Bar kpa
		Econosto	PFM2000	0~1000	Kpa
Photo Tachometer	Speed (R.P.M)	Lutron	DT-38095	0 ~ 100,000	RPM
Sound level meter	Noise Level Tester	TES	TES 1350A	35 ~ 130	db
Aerosol Photometer	HEPA Filter Integrity Testing	ATI	TDA -2G		
High Velocity Leakage Tester	Duct leakage Testing	Air Flow	HVLT	67 L/S @ 2500 Pa 241 m³ / Hr 2500 Pa	
Ultrasonic Meter	Water Testing	Water Flow USA	AUF 610	Ø15mm to Ø1000mm	
Ultrasonic Meter	Water Testing	Water Flow China	TUF 2000	Ø15mm to Ø1000mm	



LIST OF PROJECTS

S.No	Pharmaceuticals	City
1.	Sanofi Aventis Pakistan Ltd	Karachi
2.	Abbott Laboratories	Karachi
3.	GSK Pakistan Ltd (SITE, West Warf, Landhi)	Karachi
4.	Spencer Pharma	Karachi
5.	Novins Pharma	Karachi
6.	Park, Davis & Company Ltd	Karachi
7.	Cibex Pharma	Karachi
8.	Johnson & Johnson Pakistan Ltd	Karachi
9.	Hilton Pharmaceuticals	Karachi
10.	Bayer Pharmaceuticals	Karachi
11.	Bosch Pharmaceuticals	Karachi
12.	ATCO Pharmaceuticals	Karachi
13.	EPLA Pharmaceuticals	Karachi
14.	Efroze Chemicals	Karachi
15.	Nabi Qasim Industries	Karachi
16.	ZAFA Pharmaceuticals	Karachi
17.	CATTs Pharmaceuticals	Karachi
18.	Merck Sharp & Dhome (MSD)	Karachi
19.	Merck Marker Ltd	Karachi
20.	Otsuka Pakistan Ltd	H.I.T.E
21.	GEL CAP Pharmaceuticals	H.I.T.E
22.	Healthtek Pharmaceuticals	Karachi
23.	High – Q Pharmaceuticals	Karachi
24.	Macter International	Karachi
25.	GABA Pharmaceuticals	Karachi
26.	LINZ Pharmaceuticals	Karachi
27.	Karachi Pharmaceuticals	Karachi
28.	AGP Pharmaceuticals	Karachi
29.	Silver Surgical	Karachi
30.	Sante Pharma	Karachi
31.	Pharmatech	Karachi
32.	Helix Pharma	Karachi
33.	Searl Pharma	Karachi
34.	Reckitt & Benkiser	Karachi
35.	Novatex Pharma	Karachi
36.	Novartis	Karachi
37.	Getz Pharma	Karachi



S.No	Hospitals	City
1.	AKU Community Health & Science Juma Research Build	Karachi
2.	AKU Faculty Office in SCS Verandah	Karachi
3.	AKU MRI & Radiology Expansion	Karachi
4.	AKU Financial Councilor Clinic	Karachi
5.	AKU Operation Room, lithography & Prof. Offices	Karachi
6.	AKU on Call Doctor Room	Karachi
7.	AKU Consultant Clinic	Karachi
8.	AKU ICU, CICU, CSSD, WR	Karachi
9.	AKU Nazir Ali Walji Building	Karachi
10.	AKU Sports Center	Karachi
11.	AKU CHS.	Karachi
12.	AKU D2 Ward	Karachi
13.	Patel Hospital	Karachi
14.	AKU WR Building	Karachi
15.	AKU OR Building	Karachi
16.	AKU CSSD (Old & New)	Karachi
17.	Liaquat National Hospital	Karachi
18.	National Medical Center	Karachi
19.	Patel Hospital (Gulshan- e-Iqbal)	Karachi
20.	Bolan Medical Complex	Quetta
21.	Children Hospital	Quetta
22.	Hussaini Blood Bank	Karachi
23.	Tabba Heart Institute	Karachi
24.	SIUT Sindh Institute of Urology	Karachi
25.	Health Care	Karachi
26.	PNS Shifa Hospital	Karachi
27.	Al Shifa Hospital	Islamabad
28.	Shaukat Khanam Hospital	Peshawar
29.	Zia-Uddin Hospital (Clifton)	Karachi



S.No	Office/Commercial Building	City
1.	1300MW Qatalum Combined Cycle Power Plant Project	State Of Qatar
2.	British Deputy High Commission	Karachi
3.	Japan Consulate	Karachi
4.	Allama Iqbal International AirPort New Terminal	Lahore
5.	Jinnah International AirPort	Karachi
6.	American Consulate	Isb&Khi
7.	EPB (Karachi Expo Center)	Karachi
8.	EFU Insurance	Karachi
9.	FTC Building	Karachi
10.	IBM Tower	Karachi
11.	Lever Brothers at Avari Tower	Karachi
12.	NIC Building	Karachi
13.	State Life Building	D.I. Khan
14.	State Life Building	Gujarat
15.	State Bank	Karachi
16.	Proctor & Gamble (P&G) Head Office (Hub Plant& Port Qasim)	Karachi
17.	Shell House Pakistan Ltd	Karachi
18.	PSO House Pakistan Ltd	Karachi
19.	Toyota Indus Motors	Karachi
20.	SUPARCO Head Office	Karachi
21.	SUPARCO Plant	Karachi
22.	Pak Arab Refinery	Karachi
23.	Pakistan Oil Field Head Office Building	Rawalpindi
24.	Bhitt Gas Field Development	Dado
25.	BHP Gas & Oil Field	Dado
26.	CNBC Pakistan	Karachi
27.	The Forum	Karachi
28.	Lavish Shopping Mall (Tariq Road)	Karachi
29.	Dolmen Executive Towers	Karachi
30.	Makro Cash & Carry (S.I.T.E)	Karachi
31.	Makro Cash & Carry (Saddar)	Karachi
32.	Makro Cash & Carry (Shahrah –e-Faisal)	Karachi
33.	Makro Cash & Carry I & II	Lahore
34.	PTCL Head Quarters	Islamabad
35.	Fatima Sugar Mill	KotAddu
36.	PTET – Telecom Tower	Islamabad
37.	PTET Tele House	Islamabad
38.	Islamabad Stock Exchange	Islamabad
39.	EOBI House	Islamabad



S.No	Banks Head Office	City
1.	Muslim Commercial Bank (MCB) Head Office	Karachi
2.	Muslim Commercial Bank Provincial H.Q	Lahore
3.	Habib Bank Plaza Head Office	Karachi
4.	National Bank of Pakistan Head Office	Karachi
5.	Standard Chartered Bank	Karachi
6.	Dubai Islamic Bank	Karachi
7.	Citi Bank Main Office	Karachi
8.	Faisal Bank Ltd Head Office	Karachi
9.	ABN Amro Bank	Karachi
10.	ABL Head Office	Karachi



S.No	Hotels & Restaurants& Cinema	City
1.	Marriott Hotel	Islamabad
2.	Marriott Hotel	Karachi /Lahore
3.	Pearl Continental	Karachi /Lahore
4.	SARENA Hotel	Islamabad
5.	Regent Plaza	Karachi
6.	Avari Tower	Karachi /Lahore
7.	Holly Wood Grill Restaurant Clifton	Karachi
8.	Mc Donald D.H.A & Clifton	Karachi.
9.	NANDOS	Karachi
10.	KFC	Karachi
11.	KFC	Sialkot
12.	Golf Country Club	Karachi
13.	Golf Country Club	Lahore
14.	The Place (Cinema)	Karachi
15.	Atrium (Cinema)	Karachi
16.	Cinepax (Cinema)	Karachi
17.	Chop Chop Wok Restaurant	Karachi
18.	Xender Restaurant	Karachi



S.NO.	Project In Hand (2024-2025)	City
1.	Naya Nazimabad Stadium	Karachi
2.	Haleon Pharmaceuticals	Jamshoro
3.	Sante (Pvt) Ltd.	Karachi
4.	Swisstex Chemical	Karachi
5.	Loo Biscuit	Sakkar
6.	Ideas Outlet (Dolmen Mall)	Karachi
7.	Liaquat National Hospital	Karachi
8.	Saleem Habib University	Karachi





S.No.	Our Valued Consultant
1.	NESPAK Consultant
2.	Anwar Saadat & Co.
3.	Y.H. Associates
4.	Fahim Nanji & Desouza (FND)
5.	S. Mehboob & Company
6.	International Consultant
7.	SEM Engineer
8.	A.R. Associates
9.	MIA Associates
10.	ACS Engineering Concern
11.	Maam Associates