

CURRICULUM VITAE

Proposed role in the project: Project Manager/Chief Executive
Category: A

- 1. Family name:** Hanif
2. First Name: Muhammad
3. Date of birth: January 1, 1940
4. Nationality: Pakistani
5. Civil status: Married
6. Education:

Institution:	Date [Date from – Date to]	Degree(s) or diploma(s) obtained
Alexander Humboldt (Snr. Post Doct) fellow, Freiburg University, Germany	[1974/75]	Post Doctorate in Chemistry
Charles University Prague, Czech Republic-	[1966/68]	Ph.D. (Chemistry Analytical),
Punjab University, Lahore Pakistan	[1960/63]	M.Sc. (Chemical Technology)
Punjab University, Lahore Pakistan	[1957/59]	B.Sc. (Chemistry Physics English)

7. Language skills : Indicate competence on a scale of 1 to 5 (1 = Excellent; 5 = basic)

Language	Reading	Speaking	Writing
English	01	01	01
German	05	05	05
Czech	05	05	05
Urdu	01	01	01
Punjabi	01	01	01

8. Membership of professional bodies:

- i- Member Pakistan Institute of Chemical Engineers
- ii- Member Pakistan Engineering Council .
- iii-(ex) Member Pakistan Environment Protection Council(PEPC), Government of Pakistan -1995 to 1998. The PEPC is the APEX body of the government of Pakistan regarding environment.

9. Other skills (e.g. computer literacy, etc.):

Software MS Office,
Windows Installation with drivers
Software Installations

Others Effective presentation
Professional lab skills
Interpersonal and communication skills
Group work and technical report writing

- 10. Present position:** Chief Executive: i) ECTECH environment Consultants
ii) APEX Environment Laboratory

11. Years within the firm: Present:
APEX)

Since January 1, 2000 till date (with ECTECH &

12. Key qualifications (relevant to the project):

- Course on Hazardous Wastes Landfill conducted by the CDGU, Kualalampur
- M.Sc. Chemical Technology
- Ph.D. Chemistry
- Post Doctorate

13. Specific experience in the region*:

Country	Date from – Date to
Thailand: UNESCAP, Bangkok, Thailand, (ex) Consultant Environment, Prepared documents for use by 57 countries of Asia and the Pacific Region on: Prepared Monitoring Methodologies on Air, Water, Soil and Hazardous Wastes.	September 1991 – January 1992)
(Ex) Member Inter Government Panel on Climate Change (IPCC)	Since the first meeting starting in Perth to 1992 till RIO.
(Ex) Consultant Environment (Category-A) Asian Development Bank	1983 to 1985
Pakistan --Member Panel of Experts, Private Power and Infrastructure Board (PPIB), Ministry of Water and Power, Government of Pakistan.	2006 till date
Pakistan , Worked on The World Bank funded project: “Environmental Protection and Resource Conservation Carried out the following task: <ul style="list-style-type: none"> • Revised National Environment quality Standards (NEQs)-Pakistan, . • Prepared document on NEQs parameters-Monitoring Analytical Methods. • Prepared document on the Frequency of Monitoring for NEQs parameters. • Prepared Action Plan for Monitoring Ambient Air Quality – Sindh Environmental Protection Agency (SEPA). • Prepared document on Establishing Environment Monitoring Laboratory – SEPA. 	1996-97
Pakistan: Prepared National Environment quality Standards (NEQS)-Pakistan	1983
Pakistan: Co-author of Pakistan National Conservation Strategy, Pakistan	1988-91
Pakistan: Co- author of National Country Report for the United Nations Conference on Environment and Development (UNCED), Rio, Brazil and Member of the Inter-Ministerial Committee for the preparation of the report.	1991
Pakistan: Strengthening Environmental Management Capabilities in Pakistan, Project Co-coordinator-Pakistan.	

NEPAL, Worked on the State of Environment and Environmental Law, NEPAL-Assignment by Asian Development Bank, worked with M/s. Haiglar & Bailly, USA.	
United Nations, New York, USA: As Technical Consultant to the Director General, Transnational Corporation (TNC)- UN Centre, New York – Reviewed the Document on “The Role of Pollution Abatement by TNC” as its input to the Rio-Summit 1992..	October 1991
WWF. Pakistan: Prepared training material on Environmental Management and Environmental Auditing in Pakistan and Conducted two weeks Course for Industrial Managers in Pakistan – (1994) - Prepared script for a book on “ Environmental Pollution and Social Behaviour ”.	1994
Pakistan: UNESCAP – Carried out Study on the Current Status of Pollution Control Technologies. in Pakistan. Sponsored by the Swedish Agency for International Technical and Economic Corporation (BITS)	
Pakistan: As technical expert, reviewed the Pakistan Environmental Protection Act, 1997.	1995
Pakistan: As desired by the Ministry of Science and Technology, Government of Pakistan, provide technical guidance on the document” Biodiversity Code of Conduct for the Release of Organisms into the Environment’	1993
Pakistan C/O UNESCAP Bangkok: As co-author contributed to the preparation of “Coastal Environment Management Plan Pakistan.	
Pakistan: Carried out project “ Survey of Hazardous Chemical Industries and Safety Measures In Pakistan”,	1983
Pakistan: Carried out estimation of Greenhouse Gases in Pakistan.	1992-93
UNESCAP: As Resource Person UNESCAP, Bangkok reviewed “ Reference Book on Environment for Journalist’	1993

Since January 1, 2000 after my retirement on December 31, 1999 from the PCSIR Laboratories Complex, Lahore I established my own consulting firm under the name **“ECTECH Environment Consultants, and APEX Environment Laboratory functional presently at Suite # 4, 2nd Floor, Link Arcade, Model Town Link Road, Lahore, Pakistan.** (Phone: 92 42-35887517 & 3592 5693, Cell # 0300- 8486673; email: ectech_ectech@yahoo.com) briefly, our company is performing the following type of assignments under my direct supervision: For more details profiles of our two organizations is enclosed for ready reference.

i- Preparation of Environment Impact Assessment (EIA) Social and Environmental Impact Assessment (SEIA) Reports:

for International DFIs like the World Bank, Asian Development Bank, International Finance Corporation (IFC), DEG Germany, OPIC etc

So far over 20 SEIA reports have been prepared for funding by International DFIs. All of these have met success.

ii- Preparation of Environment Impact Assessment (EIA) & Initial Environmental Examination (IEE) Reports:

Over 160 EIA reports have been written for industries.

iii- Carrying out Regulatory Environmental Audit of industries:

So far over twenty industries have been included in this audit.

iv- Due Diligence w.r.t. Health, Safety and Environment (HSE):

Over ten industries have been provided the services.

v- Regulatory Environmental Monitoring as Third Party- on regular Basis:

These services have been provided over 100 industries of which around 25 industries are getting these services regularly on monthly or quarterly basis.

vi- Waste Water Treatment Plants Designing:

Seven treatment plants have so far been designed, installed and made operational.

vii- Environmental Monitoring/Auditing and HSE Training:

As a part of our activity regarding IEE, EIA and SEIA reports this programme has been benefited by about 30 industries.

viii- Environmental Surveys of specific requirements:

ix- Preparation of Social Action Plans.

x- Hazardousness and Operateability (HAZOP) Audit:

xi- Energy Auditing:

xii- Preparation of Standard Operating Procedures (SOPs).

xiii- Environmental Laboratory Testing/services:

xiv- Carrying out environmental audits on behalf of local and foreign firms.

Collaboration with Foreign Companies:	
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The company carries reputation at international level which is reflected through its association on environmental projects carried out on behalf of/in association with the following international firms as its foreign associates:

- EEI Corporation, Wisconsin Avenue, Bethesda MD, USA.
- Sargent and Lundy, Global Energy Consulting, Chicago, USA.
- Scott Wilson, Bristol, UK.
- Malakoff, Malaysia
- Mitsui, Japan.
- NIKE, Inc.

14. Professional experience:

Date	Location	Company (including reference/contact)	Position	Description
October 22, 1962 to March 1966	Pakistan Council of Scientific and Industrial Research (PCSIR) Laboratories Complex, Lahore	Pakistan Council of Scientific and Industrial Research (PCSIR) Laboratories Complex, Lahore (Served for 37 year)	Research Chemist/ Officer	Conducted Scientific and Industrial Research in the field of Analytical Chemistry and Industry. Published 13 Research Paper in National and International Journals
March 1966 to April 1968	Charles University, Prague, Czech Republic	Charles University, Prague, Czech Republic	Ph.D. Research Student	Conducted Research for Ph.D.degree.
April 1968 to 1974 & from December 1974 till December 1999	Pakistan Council of Scientific and Industrial Research (PCSIR) Laboratories Complex, Lahore	Pakistan Council of Scientific and Industrial Research (PCSIR) Laboratories Complex, Lahore	Senior Research Officer	<p>Conducted Research in the field of Science and Technology and published about 55 scientific research papers up to 1974 .</p> <p>And in December 1974 switched over to; the <u>field of ENVIRONMENT and carried the R&D work in the field of :</u></p> <ul style="list-style-type: none"> • application of Analytical Chemistry in Environment, • advisory services to industry in various field of environment including Waste Water Treatment • Environmental Monitoring, • conducted environment surveys in the context of industrial pollution status in Pakistan and produced reports in this regards.
December 1980 to December 1988	Pakistan Council of Scientific and Industrial Research (PCSIR) Laboratories Complex, Lahore	Pakistan Council of Scientific and Industrial Research (PCSIR) Laboratories Complex, Lahore	Principal Scientific Officer	<p>Conducted Research in the field of Environment including:</p> <ul style="list-style-type: none"> • application of Analytical Chemistry in Environment, • advisory services to industry in various fields of environment including Waste Water Treatment

Date	Location	Company (including reference/contact)	Position	Description
				<ul style="list-style-type: none"> Environmental Monitoring, conducted environment surveys in the context of industrial pollution status in Pakistan and produced reports in this regards.
1989 to 1995	do	Do	Chief Scientific Officer	Established “Centre for Environmental Protection Studies” and worked as Chief of the Centre and continued the work in the field of Environment as reported in the above column.
1996 to December 1996	Ministry of Environment, Local Government and Forestry, Government of Pakistan, Islamabad.	Ministry of Environment, Local Government and Forestry, Government of Pakistan, Islamabad.	Director General	Dealing with Environmentrelated assignments of multifarious nature both of local and foreign coordination and affairs.
End 1996 to November 1999	Pakistan Council of Scientific and Industrial Research (PCSIR) Laboratories Complex, Lahore	Pakistan Council of Scientific and Industrial Research (PCSIR) Laboratories Complex, Lahore	Chief Scientific Officer	As Chief of the Centre and continued the work in the field of Environment as reported in the above column.
December 14, 1999 till 31 December 1999	Pakistan Council of Scientific and Industrial Research (PCSIR) Laboratories Complex, Lahore	Pakistan Council of Scientific and Industrial Research (PCSIR) Laboratories Complex, Lahore	Director General	Guidance and over all research supervision, administration in all other matters required of the job being the head of the Lbs. Complex.

15. Other relevant information (e.g. publications)

So far over 25 SEIA reports for funding by the world Bank, Asian Development Bank, IFC and OPIC, a few among other DFIs have been prepared. Similarly, over 190 EIA reports have been prepared for local projects to obtain Environmental Approval from the Environmental Protection Agencies in Pakistan. A detailed account of my and my companies’ accomplishments is given in the PROFILE of our companies.