

11.0 DISCLOSURE OF CONSULTANTS

11.1 Introduction

The Environmental Impact Assessment (EIA) and Environment Management Plan (EMP) report has been prepared by carrying out various scientific studies. Studies have been carried out by engaging scientists/engineers/experts of Vimta Labs Limited, India and its associates.

11.2 Vimta Labs Limited - Environment Consultant

Vimta Labs Limited is a leading multi-disciplinary testing and research laboratory in India. VIMTA provides contract research and testing services in the areas of environmental assessment, analytical testing, clinical research, pre-clinical (animal) studies, clinical reference lab services, advanced molecular biology services and research & development studies.

The **Environment Division** has been in the forefront of its vision to provide better environment through guiding and assisting the industry for sustainable development. A stalwart in the mission to protect and preserve the natural resources on earth for future generations, it offers extensive research and consultancy services in the field of environment. With its rich experience, multi-disciplinary expertise and with the support of its state-of-the-art analytical equipment, the services offered by the division are wide ranging and encompasses entire gamut of environment management and monitoring services. With its emphasis on quality services over the years, it has evolved itself into a single reference point in India for comprehensive environmental services.

11.2.1 The Quality Policy

- VIMTA is committed to good professional practices and quality of operations in its testing, validation and research services;
- VIMTA shall ensure customer satisfaction by maintaining independence, impartiality and integrity in its operations;
- VIMTA shall provide the services in accordance with national and international norms;
- VIMTA shall implement quality systems as per ISO/IEC 17025 and applicable Good Laboratory Practices (GLPs) & Good Clinical Practices (GCPs), to generate technically valid results/data; and
- VIMTA shall ensure that all its personnel familiarize with the policies and procedures of the quality system and implement the same in their work.

11.2.2 Major Milestones and Accreditations

- 1984 - Registered with an initial investment of Rs.200,000=00
- 1985 - Recognized by ISI (now known as Bureau of Indian Standards)



- 1987 - Qualified by the criteria of Ministry of Environment and Forests, India and was notified as one of the first 14 Standard Environmental Laboratories published in the Gazette of India
- 1988 - Licensed for carrying out tests on Drugs and Pharmaceuticals
- 1991 - Accredited by NCTCF, DST, Government of India (the forerunner of NABL)
- 1995 - Accredited by NABL, India under its revised scheme, certified by Standards Australia, Quality Assurance Services as per ISO/IEC Guide 25 and ISO 9002
- 1996 - GLP Compliance
- 1998 - Accreditation by GOSSTANDART and joint venture for certification of Food Exports with ROSTEST, Russia
- 1998 - World Bank Recognition
- 2002 - ANVISA Brazil Certification
- 2003 - USFDA accepts Vimta Bioequivalence study report. Showcased Vimta at AAPS (USA) and ICSE-CPHI (Germany)
- 2003 - Recognized by Saudi Arabian Standards Organization
- 2004- Enters Gulf market - Executes a contract for environmental consultancy in Kuwait
- 2006 -Expands its overseas activities. Undertakes environmental assignment in Saudi Arabia
- 2006 - Undertakes environmental impact assignment in Tanzania, Africa
- 2008 - Has been Pre-Qualified by World Health Organization (WHO)
- 2009 - Undertaken environment impact Assignment in Cameroon, Africa.

11.2.3 Services Offered

Spread over 70,000 sq.ft lush green garden premises at Cherlapally, Hyderabad (India), the scientifically designed and meticulously groomed infrastructural facility of the Central Laboratory of **VIMTA** has the most sophisticated instruments backed by an excellent team of professionals.

Over 150,000 sq. ft. of world class research laboratory is also under operation at Biotech Park-Genome Valley, Hyderabad (India). Having all the facilities under one roof is perhaps the only one of its kind in South Asia in the contract testing and research sector.



VIMTA Central Laboratory, Cherlapally, Hyderabad



VIMTA Life Sciences, Genome Valley, Hyderabad

Vimta offers services under the following specializations:

- Environment;
- Analytical;
- Clinical Reference Lab;
- Clinical Research;
- Preclinical;
- Molecular Biology; and
- Research and Development.

The environment division of VIMTA Labs Limited (VLL) has its presence all over India and other countries including a strong association with international consultants like Japan Bank for International Cooperation (JBIC), Kennametal Inc. - USA, Rudal Blanchard – UK, E&E Solutions – Japan, NAPESCO & Kuwait National Petroleum Corporation – Kuwait, Marafiq and Haif Consultants – Saudi Arabia and others. Vimta Labs Limited has the following credentials:

- Recognition by BIS, India;
- Recognition by Ministry of Environment and Forests, Govt. of India and various State Pollution Control Boards (wherever applicable);
- Recognition by Department of Science & Technology, Govt. of India (NABL);
- Recognition by Ministry of Defence, Govt. of India;
- Recognition by APEDA, Ministry of Commerce, Govt. of India;
- Recognition by Saudi Arabia Standard Organization (SASO), Saudi Arabia;
- Recognition from NEMC, Tanzania;
- Accreditation by NCTCF;
- Certification from Standard Australia;
- Recognition from ANVISA Brazil;
- Recognition from USFDA;
- Quality Assurance Services as per ISO/IEC 17025;
- Quality Assurance Services as per ICH Guidelines; and
- Recognition by World Health Organization (WHO).



**National Accreditation Board for
Education & Training**



Quality Council of India

CERTIFICATE OF ACCREDITATION

M/s Vimta Labs Limited

142, IDA, Phase – II, Cherlapally, Hyderabad – 500051

is hereby accorded accreditation under the QCI-NABET Scheme for Accreditation of EIA Consultant Organizations (Rev. 09, August 2011) for the following scope:

Sl. No.	Name of the Sector	Cat.
1.	Mining of Minerals including Opencast/ Underground mining	A
2.	Offshore and onshore oil and gas exploration, development & production	A
3.	Thermal Power Plants	A
4.	Coal washeries	A
5.	Metallurgical industries (ferrous & non-ferrous) – both primary and secondary	A
6.	Cement Plants	A
7.	Asbestos milling and asbestos based products	A
8.	Synthetic organic chemicals industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates)	A
9.	Oil & gas transportation pipeline (crude and refinery/ petrochemical products), passing through national parks/ sanctuaries/ coral reefs /ecologically sensitive areas including LNG terminal	A
10.	Air ports	A
11.	Industrial estates/ parks/ complexes/areas, export processing Zones (EPZs), Special Economic Zones (SEZs), Biotech Parks, Leather Complexes	A
12.	Building and large construction projects including shopping malls, multiplexes, commercial complexes, housing estates, hospitals, institutions	B
13.	Townships and Area development projects	B

Name of approved EIA Coordinators & Functional Area Experts are given in minutes of AC Meeting dated Oct 04, 2013; Oct 15 and Nov 26, 2014 posted on QCI website

Accreditation to the above Sectors is subject to the EIA reports being prepared by the experts (EIA Coordinators & Functional Area Experts) mentioned in the above minutes and compliance to the Terms and Conditions of Accreditation.

Certificate No: NABET/ EIA/ 1316/ RA003

Valid up to: Sep. 19, 2016

W. S. Sahu
C.E.O.



(Please refer <http://nabet.qci.org.in/environment/> for latest status of accreditation)

Note

- Subject to continual compliance to NABET Scheme including Surveillance Assessment
- Updated status of accreditation available at www.qcin.org every 5th of the month



11.2.4 Services of Environment Division

Environment essentially being a multi-disciplinary science, the range of services offered by the division are also comprehensive and caters to the needs of industry, pollution control agencies, regulatory authorities and in a larger pursuit of a green globe. The services under environment include:

- Site selection and liability studies;
- Environmental impact assessments;
- Environment management plans;
- Carrying capacity based regional studies;
- Environmental audits;
- Solid and hazardous waste management;
- Risk assessment (MCA,HAZON,HAZOP) & disaster management plans;
- Occupational health and safety, industrial hygiene;
- Environmental monitoring for air, meteorology, water, soil, noise, ecology and socio-economics;
- Industrial emission source monitoring;
- Offshore sampling and analysis of marine water and sediments;
- Marine ecological studies;
- Marine impact assessment;
- Rehabilitation and resettlement studies;
- Forestry and ecological studies;
- Geological and hydro-geological studies;
- Land use /land cover studies based on remote sensing;
- Socio-economic studies;
- Due diligence studies;
- Industrial epidemiological studies;
- Wasteland management studies; and
- Study on bio-indicators.

The services under Environmental Chemistry include:

- Analysis of water, wastewater, soil, solid waste, hazardous waste as per international codes;
- Source emissions and work zone air/noise quality monitoring;
- Analysis of SVOCs, VOCs, PAH, BTEX, AOX, PCB's, TCLP metals, TOC etc.;
- Categorization of hazardous waste; and
- Pesticide residue analysis.

11.2.5 Facilities of Environment Division

Vimta-Environment Division is located in scientifically designed Central Laboratory with the state-of-the-art modern facilities to offer wide range of services in indoor and outdoor monitoring and analytical characterization in the field of Environment. Further, it is ably supported by highly skilled and experienced team of professionals in the fields of science, engineering, ecology, meteorology, social planning, geology & hydro-geology and environmental planning.

Besides the regular monitoring equipment such as PM₁₀ & PM_{2.5} Samplers, automatic weather monitoring stations, stack monitoring kits, personal samplers, noise meters, portable water kits etc, the other major specialized equipment include:

- Monostatic Sodar–Designed by National Physical Laboratory, GOI;
- Integrated Noise Level Meters–Quest, U.S.A;
- Flue Gas Analyzers–Testo, Germany;
- 113-A Gravimetric Dust Sampler-Casella, London;
- ICP AES– Varian, USA;
- Gas Liquid Chromatographs with FID, ECD & pFPD–Varian, USA;
- Gas Chromatograph with Mass Detector–Varian, USA;
- Atomic Absorption Spectrometer [AAS]–Varian, USA;
- PAS-AFC-123 instrument;
- High Performance Liquid Chromatograph (HPLC);
- Laser Particle Size Analyzer;
- Bomb Calorimeter;
- Polarographs;
- X-ray Fluorescent Spectrometer;
- Flame Photometer;
- Carbon Sulphur Analyzer;
- Computerized Fatigue Testing Machine;
- Electronic Universal Testing Machine;
- Fourier Transmission Infrared Spectroscope; and
- Water Flow Current Meter – make Lawrence & Mayo.



HIGH RESOLUTION GAS CHROMATOGRAPHS

11.2.6 Quality Systems

The basic fact that environment division and its supporting site laboratories are accredited by NABL (ISO-17025) and Ministry of Environment and Forests, India and by other international bodies stand testimony to its emphasis on Quality Systems.

The detail of the persons involved in the preparation of present EIA/EMP report is presented below:



DETAILS OF PERSONNEL INVOLVED IN CURRENT EIA/EMP STUDY – VIMTA LABS LTD

Sr. No.	Name	Qualification	Position	Contribution	Expertise/Functional Area	Experience
1	Mr. M. Janardhan	M.Tech (Env. Engg)	Vice President & Head (Env)	Co-ordination	EIA Co-ordinator and FAE for AP, AQ, NV & SHW	About 24 years of experience in the field of Environmental Management and Environmental Engineering
2	Dr. B. Chandra Sekhar	M.Sc., Ph.D	Sr. Manager	Co-ordination	EIA Co-ordinator	About 15 years of experience in the field of Environmental Management and Modeling
3	Mr. G. V. Raghava Rao	M.Tech (Env)	Manager	Expert	FAE-AP, ISW & MSW	About 12 years of experience in the field of Environmental Management and Environmental Engineering
4	Ms. Durga Bhavani	M. Sc (Env Science), M.Tech	Group Leader	Expert	FAE – WP, AQ, Team Member SHW	About 11 years of experience in the field of Environmental Management and Environmental Chemistry
5	Mr. S. Kishore Kumar	M.Tech (Env)	Group Leader	Expert	FAE – AP, NV	About 5 years of experience in the field of Environment Management and Engineering
6	Mr. M. Raja Manohar	M.Tech (Env)	Env Engineer	Expert	Team Member	About 5 years of experience in the field of Environment Management and Engineering
7	Mr. Rajashekar T	M.Sc., Ph.D	Sr. Scientist	Expert	FAE-EB	About 10 years of experience in the field of Terrestrial and Aquatic Ecology
8	Mr. S. Srinivas Goud	M.S.W	Group Leader	Expert	FAE-SE	About 12 years of experience in the field of social Impact Assessment Studies
9	Mr. Ramakrishna Pullipaka	M.Tech	Env Engineer	Expert	Team Member	About 4 years of experience in the field of Environment Management and Engineering
10	Mr. M. Praveen Kumar	M.E	Env Engineer	Expert	Team Member	About 2 year experience in the field of Environment Management and Engineering
11	Mr. J. Sunil Kumar	M.Tech	Env Engineer	Expert	Team Member	About 2 year experience in the field of Environment Management and Engineering
12	Mr. Sanjay Chavan	M.Sc (Env)	Env Scientist	Expert	Team Member	About 3 years of experience in the field of Environmental monitoring and management
13	Mr. K.S.Vishnu Teja	M.Tech	Env. Engineer	Expert	Team Member	About 3 year experience in the field of Environment Management and Engineering
14	Mr. Ch. Narendra	M.S.W	Scientist	Expert	AFAE-SE	About 3 years of experience in the field of Social Impact Assessment Studies
15	Mr. Rajeshwar	MSc. Geology & Hydrogeology	Scientist	Trainee Team Member	Team Member-HG	About 5 years of experience in the field of geology and Hydrogeology

Sr. No.	Name	Qualification	Position	Contribution	Expertise/Functional Area	Experience
16	Mr. P. Niranjan Babu	B.Com	Dy. Manager	Secretarial Support	--	About 25 years of experience in the field of environmental monitoring and secretarial support
17	Mr. P. Krishna	I.T.I (Civil)	Jr.Engineer	Cartography	--	About 15 years of experience in the field of environmental management and civil drawings
18	Mr. J. Rama Krishna	I.T.I (Civil)	Jr.Engineer	Cartography	--	About 14 years of experience in the field of environmental management and civil drawings
Empanelled Experts						
1	Dr. Y. Rama Mohan Rao	M.Sc.	Consultant	Expert	F AE-HG, LU/LC	About 15 years of experience in the field of Land use studies, Remote Sensing and Hydrogeology
2	Mr. Rajgopal Krishnan	M. Tech (Chemical Engg)	Consultant	Expert	F AE for RH	About 40 years of experience in the field of Risk and Hazard assessment
3	Mr. Balakrishna Shankarrao Lole	M.Sc. (Ag)	Consultant	Expert	F AE for SE	About 38 years of experience in the field of Soil Conservation