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 **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 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).
11.2.3 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.

11.2.4 Facilities of Environment Division

Vimta-Environment Division is located in scientifically designed Central Laboratory with the state-of-the-art modern facilities to offer vide 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 PM$_{10}$ & 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**
QCI/NABET/EIA/ACD/17/01/3247
Vimta Labs Limited
124, IDA, Phase - II, Cherlapally
Hyderabad - 500051
(Kind Attention: Sh. M. Janardhan)

Sub: Validity of Accreditation as EIA Consultant organisation - Vimta Labs Limited

Dear Madam,

This has reference to the accreditation of your organisation under QCI-NABET EIA Scheme, the validity of M/s Vimta Labs Limited is hereby extended till July 23, 2017 or completion of assessment process, whichever is earlier.

The above extension is subject to the submission of required information/documents related to assessment on time to NABET.

You are requested not to use this letter after expiry of the above stated date.

With best regards,

A.K.Jha
Senior Director | NABET
Chapter 11
Disclosure of Consultants

Environmental Impact Assessment Report for Proposed Exploratory Drilling of 10 wells at Rudrasagar, Geleki, Lakwa, Namti, Mekeypore-Santak-Nazira PML Areas at Sivasagar District, Assam

Chapter 11
Disclosure of Consultants

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:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Sector</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mining of Minerals including Open cast/Underground mining</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>Oilfield and onshore oil and gas exploration, development &amp; production</td>
<td>A</td>
</tr>
<tr>
<td>3</td>
<td>Thermal Power Plants</td>
<td>A</td>
</tr>
<tr>
<td>4</td>
<td>Coal washeries</td>
<td>A</td>
</tr>
<tr>
<td>5</td>
<td>Metallurgical industries (ferrous &amp; non-ferrous) – both primary and secondary</td>
<td>A</td>
</tr>
<tr>
<td>6</td>
<td>Cement Plants</td>
<td>A</td>
</tr>
<tr>
<td>7</td>
<td>Asbestos milling and asbestos based products</td>
<td>A</td>
</tr>
<tr>
<td>8</td>
<td>Synthetic organic chemical industry (dyes &amp; the intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubber; basic organic chemicals, other synthetic organic chemicals and chemical intermediates)</td>
<td>A</td>
</tr>
<tr>
<td>9</td>
<td>Oil &amp; gas transportation/oil pipeline and refineries/ petrochemical products, gaining through national ports/ refineries/ ports/ refinery/ land based oil terminals</td>
<td>A</td>
</tr>
<tr>
<td>10</td>
<td>Airports</td>
<td>A</td>
</tr>
<tr>
<td>11</td>
<td>Industrial estates/ parks/ complexes/annex, export processing Zones/EZOs, Special Economic Zones/SEZs, Biodiversity Parks, Leather Complexes</td>
<td>A</td>
</tr>
<tr>
<td>12</td>
<td>Building and large construction projects including shopping malls, multiplexes, commercial complexes, housing estates, hospitals, institutions</td>
<td>B</td>
</tr>
<tr>
<td>13</td>
<td>Townships and Area development projects</td>
<td>B</td>
</tr>
</tbody>
</table>

Name of approved EIA Coordinators & Functional Area Experts are given in minutes of AC Meeting dated Oct 04, 2013; Oct 15 and Nov 25, 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

Note:
- Subject to continual compliance to NABET Scheme including Surveillance Assessment
- Updated status of accreditation available at www.qci.org every 5th of the month
11.2.5 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

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name</th>
<th>Qualification</th>
<th>Position</th>
<th>Contribution</th>
<th>Expertise/Functional Area</th>
<th>Experience</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mr. M. Janardhan</td>
<td>M.Tech (Env. Engg)</td>
<td>Vice President &amp; Head (Env)</td>
<td>Co-ordination</td>
<td>EIA Co-ordinator and FAE for AP, AQ, NV &amp; SHW</td>
<td>About 25 years of experience in the field of Environmental Management and Environmental Engineering</td>
</tr>
<tr>
<td>2</td>
<td>Dr. B. Chandra Sekhar</td>
<td>M.Sc., Ph.D</td>
<td>Sr. Manager</td>
<td>Co-ordination</td>
<td>FAE for AQ</td>
<td>About 17 years of experience in the field of Environmental Management and Modeling</td>
</tr>
<tr>
<td>3</td>
<td>Mr. G. V. Raghava Rao</td>
<td>M.Tech (Env)</td>
<td>Manager</td>
<td>Expert</td>
<td>FAE-AP, ISW &amp; MSW</td>
<td>About 17 years of experience in the field of Environmental Management and Environmental Engineering</td>
</tr>
<tr>
<td>4</td>
<td>Ms. Durga Bhavani</td>
<td>M.Sc (Env Science), M.Tech</td>
<td>Group Leader</td>
<td>Expert</td>
<td>FAE – WP, AQ, Team Member SHW</td>
<td>About 12 years of experience in the field of Environmental Management and Environmental Engineering</td>
</tr>
<tr>
<td>5</td>
<td>Mr. Venkatesham</td>
<td>M.S.W</td>
<td>Group Leader</td>
<td>Expert</td>
<td>FAE-SE</td>
<td>About 15 years of experience in the field of social Impact Assessment Studies</td>
</tr>
<tr>
<td>6</td>
<td>Mr. S. Kishore Kumar</td>
<td>M.Tech (Env)</td>
<td>Group Leader</td>
<td>Expert</td>
<td>FAE – AP, AQ, NV</td>
<td>About 7 years of experience in the field of Environment Management and Engineering</td>
</tr>
<tr>
<td>7</td>
<td>Mr. Rajashekar T</td>
<td>M.Sc.</td>
<td>Sr. Scientist</td>
<td>Expert</td>
<td>FAE-EB</td>
<td>About 10 years of experience in the field of Terrestrial and Aquatic Ecology</td>
</tr>
<tr>
<td>8</td>
<td>Mr. Suryanarayana K</td>
<td>M.Sc., M.Tech</td>
<td>Sr. Env Engineer</td>
<td>Expert</td>
<td>FAE-LU/LC</td>
<td>About 13 years of experience in the field of Environment Management and Engineering</td>
</tr>
<tr>
<td>9</td>
<td>Mr. M. Raja Manohar</td>
<td>M.Tech (Env)</td>
<td>Env Engineer</td>
<td>Expert</td>
<td>FAE – AP</td>
<td>About 7 years of experience in the field of Environment Management and Engineering</td>
</tr>
<tr>
<td>10</td>
<td>Mr. Ramakrishna Pullipaka</td>
<td>M.Tech (Env)</td>
<td>Env Engineer</td>
<td>Expert</td>
<td>FAE – AP, AQ</td>
<td>About 6 years of experience in the field of Environment Management and Engineering</td>
</tr>
<tr>
<td>11</td>
<td>Mr. K. Rajeshwar</td>
<td>MSC. Geology &amp; Hydrogeology</td>
<td>Scientist</td>
<td>Expert</td>
<td>FAE-HG</td>
<td>About 5 years of experience in the field of geology and Hydrogeology</td>
</tr>
<tr>
<td>12</td>
<td>Mr. Ch. Narendra</td>
<td>M.S.W</td>
<td>Sr. Scientist</td>
<td>Expert</td>
<td>FAE-SE</td>
<td>About 3 years of experience in the field of Social Impact Assessment Studies</td>
</tr>
<tr>
<td>13</td>
<td>Ms. D. Svega</td>
<td>M.Tech (Env)</td>
<td>Env Engineer</td>
<td>Expert</td>
<td>Team Member</td>
<td>About 4 years of experience in the field of Environment Management and Engineering</td>
</tr>
<tr>
<td>14</td>
<td>Mr. K. S. Vishnu Teja</td>
<td>M.Tech (Env)</td>
<td>Env Engineer</td>
<td>Expert</td>
<td>Team Member</td>
<td>About 4 years of experience in the field of Environment Management and Engineering</td>
</tr>
<tr>
<td>15</td>
<td>Mr. J. Sunil Kumar</td>
<td>M.Tech (Env)</td>
<td>Env Engineer</td>
<td>Expert</td>
<td>Team Member</td>
<td>About 3 year experience in the field of Environment Management and Engineering</td>
</tr>
</tbody>
</table>
## Disclosure of Consultants

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name</th>
<th>Qualification</th>
<th>Position</th>
<th>Contribution</th>
<th>Expertise/Functional Area</th>
<th>Experience</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>Mr. Sanjay Kumar Chavan</td>
<td>M.Sc (Env)</td>
<td>Env Scientist</td>
<td>Expert</td>
<td>Team Member</td>
<td>About 3 years of experience in the field of Environmental monitoring and management</td>
</tr>
<tr>
<td>17</td>
<td>Mr. P. Srikanth</td>
<td>P.hD</td>
<td>Scientist</td>
<td>Expert</td>
<td>Team Member</td>
<td>About 3 years of experience in the field of Environmental monitoring and management</td>
</tr>
<tr>
<td>18</td>
<td>Ms. Ashwani</td>
<td>M.Sc.</td>
<td>Trainee Scientist</td>
<td>Expert</td>
<td>Team Member</td>
<td>About 1 year of experience in the field of Environmental Management and Environmental Chemistry</td>
</tr>
<tr>
<td>19</td>
<td>Ms. Olive Eunice</td>
<td>M.Tech</td>
<td>Trainee Env Engineer</td>
<td>Expert</td>
<td>Team Member</td>
<td>About 1 year of experience in the field of Environment Management and Engineering</td>
</tr>
<tr>
<td>20</td>
<td>Mr. P. Niranjan Babu</td>
<td>B.Com</td>
<td>Dy. Manager</td>
<td>Secretarial Support</td>
<td>--</td>
<td>About 26 years of experience in the field of environmental monitoring and secretarial support</td>
</tr>
<tr>
<td>21</td>
<td>Mr. P. Krishna</td>
<td>I.T.I (Civil)</td>
<td>Jr. Engineer</td>
<td>Cartography</td>
<td>--</td>
<td>About 16 years of experience in the field of environmental management and civil drawings</td>
</tr>
<tr>
<td></td>
<td>Mr. J. Rama Krishna</td>
<td>I.T.I (Civil)</td>
<td>Jr. Engineer</td>
<td>Cartography</td>
<td>--</td>
<td>About 15 years of experience in the field of environmental management and civil drawings</td>
</tr>
<tr>
<td></td>
<td><strong>Empaneled Experts</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Mr. Rajgopal Krishnan</td>
<td>M. Tech</td>
<td>Consultant</td>
<td>Expert</td>
<td>FAE for RH</td>
<td>About 40 years of experience in the field of Risk and Hazard assessment</td>
</tr>
<tr>
<td>2</td>
<td>Mr. Balakrishna Shankarrao Lole</td>
<td>M.Sc. (Ag)</td>
<td>Consultant</td>
<td>Expert</td>
<td>FAE for SE</td>
<td>About 38 years of experience in the field of Soil Conservation</td>
</tr>
<tr>
<td>3</td>
<td>Mr. J. Rajendra Prasad</td>
<td>M.Sc.</td>
<td>Consultant</td>
<td>Expert</td>
<td>FAE-HG</td>
<td>About 16 years of experience in the field of Land use studies, Remote Sensing and Hydrogeology</td>
</tr>
</tbody>
</table>

**VIMTA Labs Limited, Hyderabad**